Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name:	Number: 2-0765 Nailbox'#):2618 F	Serial Number: 10 Results Format Preferred (circle	7/9.370 E): PAPER) DISK
To ensure an efficient and quality search, pl	ease attach a copy of the cov	er sheet, claims, and abstract or fill o	out the following:
Title of Invention:	A5 mool	ng HIFL	
Inventors (please provide full names):	ward	etd	•
Earliest Priority Date:	11-03		
Search Topic: Please provide a detailed statement of the sear elected species or structures, keywords, synony Define any terms that may have a special mea	vms, acronyms, and registry is	numbers, and combine with the concep	to be searched. Include the of or utility of the invention.
For Sequence Searches Only Please include appropriate serial number.	e all pertinent information (p	arent, child, divisional, or issued pate	nt numbers) along with the
•		Seg ID No:	
• •		3 - 30 NT'	
please de Sea	a Sc Limit	- 70 70%	IDENTITY
		n gre	ate.
THANKS			
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************	*******	********	*****
STAFF USE ONLY	Type of Search	Vendors and cost wher	e applicable
Searcher:	NA Sequence (#)	STN	Dialog
Searcher Phone #:	AA Sequence (#)	Questel/Orbit	Lexis/Nexis
Searcher Location:	Structure (#)	Westlaw	WWW/Internet
Date Searcher Picked Up:	Bibliographic	In-house sequence	systems
	Litigation	CommercialOliInterferenceSPOther (spec	
Searcher Prep & Review Time:	Fulltext		<i>-</i> • •

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11/22/06 10/719370 SID 446

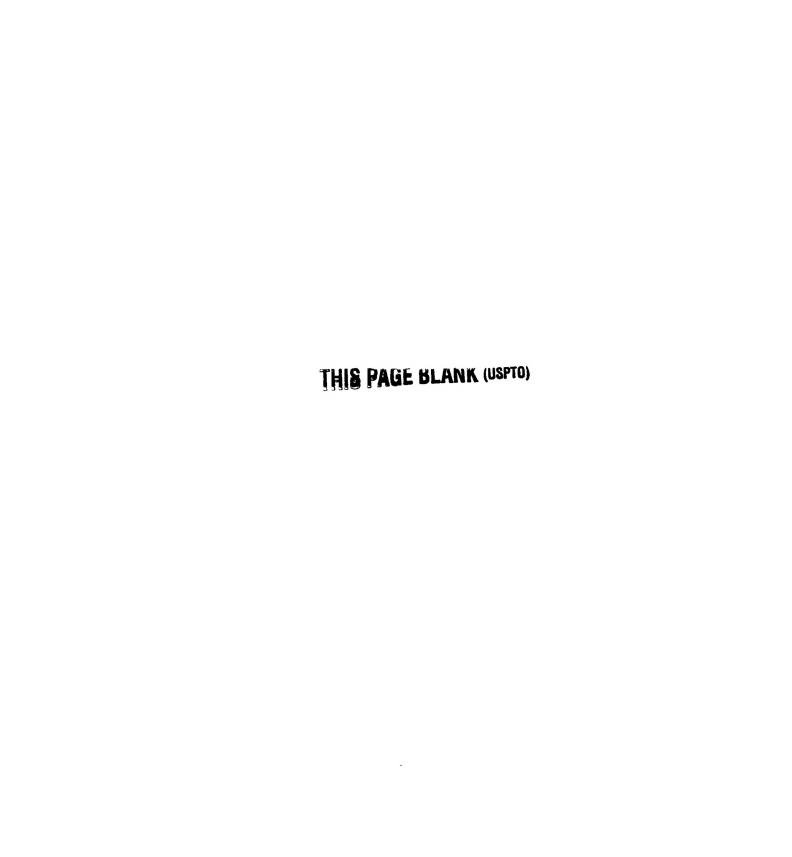
SCORE OVER LENGTH SEARCHES

Attached is a score over length search. This search was developed to overcome limitations in most standard search systems which favor large sequences with high scoring, but lesser overall identity over smaller sequences with higher overall identity. This search is especially useful for relatively small nucleic acid or polypeptide target sequences (antisense, fragments, probes, primers, RNAi, epitopes, haptens, etc.) claimed functionally via a form of hybridization and/or identity language and having defined upper and lower polynucleotide and or polypeptide length limits.

The score over length search is performed by first running the query sequence using examiner-specified identity and polynucleotide or protein length limit parameters, and saving 65,000 hits and 0 alignments from each desired database. The resulting output is reformatted using a Microsoft Word macro and is imported into Excel. The summary table data are then sorted by the ratio of score of each hit sequence divided by its length and the accession numbers for all hits below the examiner's desired score over length parameters are deleted. The remaining accession numbers are used to pull the corresponding sequences from the databases into subdatabases enriched for good hits and the query sequence is re-run against these subdatabases to yield the final results.

The score over length cutoff for this search is 76%

Examiner Please Note: This cover sheet should be included when submitting results to be scanned.



2, Appl1 54, Appl 148, Appl 48, Appl 49, Appl 136, App 17, Appl 516, Appl 516, App 517, App 517, Appl 516, Appl 517, Appl 518, Appl 831, Appl 835, Appl

8 . 4 42.0 12 1 8 8 4 42.0 12 1 8 8 4 42.0 12 1 8 8 4 42.0 12 1 8 8 4 42.0 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 40.0 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	65 7.8 39.0 11 1 66 67 7.8 39.0 11 1 66 7.4 37.0 9 1 69 7.4 37.0 9 1 1 70 7.4 37.0 9 1 1 70 7.4 37.0 9 1 1 7.4 37.0 10 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C 74 7.4 37.0 10 1 US-08-388-353-524 C 75 7.4 37.0 10 1 US-08-388-353-524 C 76 7.4 37.0 10 1 US-08-388-353-524 C 78 7.4 37.0 10 1 US-08-488-551B-840 C 78 7.4 37.0 10 1 US-08-488-551B-840 C 81 7.4 37.0 10 1 US-09-588-551B-840 C 81 7.4 37.0 10 1 US-09-588-53B-34 B 2 7.4 37.0 10 1 US-09-588-753B-34 B 3 7.4 37.0 10 1 US-09-588-753B-34 B 3 7.4 37.0 10 1 US-09-588-753B-34 C 84 7.4 37.0 10 1 US-09-588-753B-34 C 87 7.4 37.0 10 1 US-09-588-753B-30 C 88 7.4 37.0 10 1 US-09-588-753B-20 C 89 7.4 37.0 10 1 US-09-822-250A-22 C 89 7.4 37.0 10 1 US-09-935-77-2 C 90 7.4 37.0 10 1 US-09-935-716 C 91 7.4 37.0 10 1 US-09-935-78 C 92 7.4 37.0 10 1 US-09-935-78 C 93 7.4 37.0 10 1 US-09-935-78 C 94 7.4 37.0 10 1 US-09-935-78 C 95 7.4 37.0 10 1 US-09-935-78 C 96 7.4 37.0 10 1 US-09-935-78 C 97 7.4 37.0 10 1 US-09-935-78 C 98 7.4 37.0 10 1 US-09-935-78 C 99 7.4 37.0 10 1 US-09-935-78 C 90 7.
	o. bou million cell updates/ se	um DB seq length: 0 um DB seq length: 0 um DB seq length: 200000000 processing: Minimum Match 0% Maximum Match 100% Listing first 162 summaries ase : rni.subdb:*	Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. SUMMARIES Result Ouery No. Score Match Length DB ID	1 14.8 74.0 19 1 US-08-846-020A-22 Sequence 22, Appl 22 14.8 74.0 19 1 US-08-646-513 Sequence 22, Appl 24.0 19 1 US-09-667-971-22 Sequence 7612, Appl 25.0 17.0 13 1 US-09-667-971-2 Sequence 512, Appl 25.0 17.0 13 1 US-09-374-704-12 Sequence 13, Appl 26.0 17.0 13 1 US-09-374-704-13 Sequence 13, Appl 26.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17

Sequence 28 Sequen

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Sequence 22, Application US/09617871

| Sequence 22, Application US/09617871
| Patent No. 6355434
| GENERAL INFORMATION:
| APPLICANT: Drazen M.D., Jeffrey M. APPLICANT: In M.D., Kwang-Ho APPLICANT: In M.D., Kwang-Ho APPLICANT: Beler, David APPLICANT: Beler, David APPLICANT: Grobholz, James Gene Sequence TITLE OF INVENTION: 5-Lipoxygenase Gene Sequence TITLE OF INVENTION: 5-Lipoxygenase Gene Sequence TITLE OF INVENTION: 5-Lipoxygenase Gene Sequence STITLE OF INVENTION: 43
| CORRESPONDENCE ADDRESS: 43
| CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSE: CHOATE, HALL & STEWART STREET: 53 State Street CITY: Boston STATE: MA COUNTY: USA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/617,871
FILING DATE:
                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
COMPUTER: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/846,020A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 74.0%; Score 14.8; DE
Best Local Similarity 88.9%; Pred. No. 4.2;
Matches 16; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY AGENT INFORMATION:
NAME: Jarrell Ph.D., Brenda H.
REGISTRATION NUMBER: 39,223
REGISTRATION NUMBER: 39,223
REFERENCE/DOCKET NUMBER: 092662-0012
TELEPHONE: (617) 248-5000
TELEPHONE: (617) 248-5000
TELEPAX: (617) 248-4000
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
LYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSE: CHOATE, HALL & STEWART
STREET: 53 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer"
IMMEDIATE SOURCE:
CLONE: Exon 4 sense primer
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CLASSIFICATION: 424
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Gaps

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Squence 513, Application US/09081646

Patent No. 6333152

GENERAL INFORMATION:

APPLICANT: Kinler, Kenneth

APPLICANT: Zhang, Lin

APPLICANT: Zhang, Lin

APPLICANT: Zhang, Lin

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Cancer Cells

TITLE OF INVENTION: Cancer Cells

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

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TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression 1009/091,646

CURRENT APPLICATION NUMBER: 05/0047,352

EARLIER FILING DATE: 1997-05-21

NUMBER OF SEQ ID NOS: 871

NUMBER OF SEQ ID NOS: 871

SOFTWARE FRABEECE
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APPLICANT: BAIRD, ELDON J.

TITLE OF INVENTION: INHIBITION OF MAJOR GROOVE DNA BINDING
TITLE OF INVENTION: INHIBITION OF MAJOR GROOVE DNA BINDING
TITLE OF INVENTION: ROTHERNS BY MODIFIED POLYAMIDES
FILE REFERENCE: 238/298
FILE REFERENCE: 238/298
CURRENT APPLICATION NUMBER: US/09/374,704
CURRENT FILING DATE: 1999-08-12
EARLIER APPLICATION NUMBER: PCT/US99/03332
EARLIER PILING DATE: 1997-02-20
EARLIER APPLICATION NUMBER: PCT/US97/12722
EARLIER APPLICATION NUMBER: PCT/US97/12722
EARLIER APPLICATION NUMBER: 607/038,384
EARLIER APPLICATION NUMBER: 60/038,384
EARLIER RELING DATE: 1997-07-21
EARLIER RELING DATE: 1997-07-21
EARLIER RELING DATE: 1997-06/038,384
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                                                                                                                                                               Score 12.2; DB Pred. No. 13; 0; Mismatches
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Pred. No. 20
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EARLIER FILING DATE: 1996-07-31
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-US-09-374-704-12
Sequence 12, Application US/09374704;
Patent No. 6958240;
GENERAL INFORMATION:
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                                                                                                                                                                  61.0%;
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Best Local Similarity 85.7*
                                                                                                                                                               Query Match 61.0°
Best Local Similarity 82.4°
Matches 14, Conservative
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; ORGANISM: Homo sapiens
US-09-081-646-513
                                   ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-081-646-513
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LENGTH: 17
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PPLICANT: CHEN, Wensheng
PPLICANT: SHANNON, MARK
PPLICANT: SHANNON, MARK
LILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
LLE REPERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                           ATTORNEY AGENT INFORMATION:
NAME: Jarrell Ph.D., Brenda H.
REGISTRATION NUMBER: 39,223
REFERENCE/DOCKET NUMBER: 0092662-0012
TELEPHONE: (617) 248-5000
TELEPHONE: (617) 248-5000
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR PELING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ouery Match 74.0%; Score 14.8; Best Local Similarity 88.9%; Pred. No. 4.3 Matches 16; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/866,108A CURRENT FILING DATE: 2001-05-25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7612, Application US/09866108A Patent No. 6686188
                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/846,020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: other nucleic ac
DESCRIPTION: /desc = "primer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 CTCATGGTCACATGGATG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; IMMEDIATE SOURCE:
; CLONE: Exon 4 sense primer
US-09-617-871-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
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11 TCATGGTCATA 1

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Sequence 122, Application US/09249155A Patent No. 6538173
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 TGGTCACAT 14
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                                                                                                                              US-09-249-155A-122/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
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Requence 13, Application US/09374704

Requence 13, Application US/09374704

Retent No. 6558240

GENERAL INFORMATION:

APPLICANT: BAINE, ELDON J.

TITLE OF INVENTION: INHIBITION OF MAJOR GROOVE DNA BINDING

TITLE OF INVENTION: PROTEINS BY MODIFIED POLYAMIDES

FILE REFERENCE: 238/296

CURRENT APPLICATION NUMBER: US/09/374,704

CURRENT APPLICATION NUMBER: PCT/US9/02684

BARLIER APPLICATION NUMBER: PCT/US97/03332

BARLIER PILING DATE: 1998-02-13

BARLIER PILING DATE: 1997-07-21

BARLIER PLING DATE: 1997-07-21

BARLIER PLING DATE: 1996-09-13

BARLIER PLING DATE: 1996-09-25

BARLIER PLING DATE: 1996-09-13

BARLIER PLING DATE: 1996-09-25

BARLIER PLING DATE: 1996-09-26

BARLIER PLING DATE: 1997-04-21

BARLIER PLING DATE: 1997-07-31

BARLIER PLING DATE: 1997-04-21

BARLIER PLING DATE: 1996-09-26

BARLIER PLING DATE: 1997-07-31

BARLIER PLING DATE: 1997-07-31
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RARLIER APPLICATION NUMBER: 08/853,522
BARLIER FILING DATE: 1997-05-08
RARLIER APPLICATION NUMBER: 08/837,524
RARLIER FILING DATE: 1997-04-21
RARLIER FILING DATE: 1997-04-21
RARLIER FILING DATE: 1996-02-26
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 12
LENGTH: 13
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                                                                                                                                                                                                                                                                                                                                                                                                          ) OTHER INFORMATION: Polyamide Motif
US-09-374-704-12
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Best Local Similarity 90.9%;
Matches 10; Conservative
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Best Local Similarity 90.9%;
Matches 10, Conservative
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                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-374-704-13/C
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APPLICANT: Croin, Maureen T.
APPLICANT: Podor, Stephen P.A.
APPLICANT: Hubbel, Sarl A.
APPLICANT: Hubbell, Earl A.
APPLICANT: Lipshutz, Robert J.
APPLICANT: Lobban, Peter E.
APPLICANT: Sheldon, Peter E.
APPLICANT: Sheldon, Radard L.
TITLE OF INVENTION: Arrays of Nucleic Acid Probes on TITLE OF INVENTION: Alological Chips
NUMBER OF SEQUENCES: 360
CORRESPONDENCE ADDRESS:
ADDRESSEE: Towns.
TITLE OF INVENTION: Compositions and Methods for Wound TITLE OF INVENTION: Compositions and Methods for Wound TITLE OF INVENTION: Compositions and Methods for Wound: TITLE OF INVENTION: 00486.78503 CURRENT APPLICATION NUMBER: US/09/249,155A CURRENT APPLICATION NUMBER: US/09/249,155A PRIOR PILING DATE: 1998-02-13 PRIOR FILING DATE: 1998-02-13 PRIOR FILING DATE: 1998-08-26 PRIOR FILING DATE: 1998-09-28 PRIOR FILING DATE: 1998-09-28 NUMBER OF SEQ ID NOS: 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,887A
FILING DATE: IG-MAY-1995
CLASSIFFCATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   45.0%; Score 9; DB 1
100.0%; Pred. No. 23;
tive 0; Mismatches
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APPLICATION NUMBER: US 08/143,312
PILING DATE: 26-OCT-1993
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/note= "Nucleotide 10 has a tail which comprises a cholesterol moiety which has its A ring linked to the 3'-phosphate through a carbonyl group attached to the ring nitrogen of a moiety derived from formula 3)."
                                                                                                a cholesterol moiety which has its A ring linked to the 3'-phosphate through a carbonyl group attached to the ring nitrogen of a moiety derived from 4-hydroxy-2-hydroxymethylpyrrolidine (see formula 3)."
                                                              /mod_base= OTHER
/note= "Nucleotide 10 has a tail which comprises
                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 35, Application US/08202927
Sequence 35, Application US/08202927
GENERAL INFORMATION:
APPLICANT: Cheng, Yung-chi
APPLICANT: Lukhtanov, Eugeny A.
APPLICANT: Mayer Jr., Rich B.
APPLICANT: Reed, Michael W.
APPLICANT: Reed, Michael W.
APPLICANT: Rou, James H.
TITLE OF INVENTION: Andified Oligonucleotide. Duplexes Having
TITLE OF INVENTION: Anticancer Activity
NUMBER OF SEQUENCES: 70
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klein & Szekeres
                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                           Query Match 42.0%; Score 8.4; DB 1; Length 10; Best Local Similarity 90.0%; Pred. No. 25; Matches 9; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATE: 28-FEB-1994

CLASSIFICATION NUMBER: US/08/202,927

FILING DATE: 28-FEB-1994

CLASSIFICATION: 536

ATTORNEY/AGBNT INFORMATION:

NAME: Sackeres, Gabor L.

REFERENCE/DOCKET NUMBER: 491-07-PA

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEBHONE: (714) 854-450

TELEFORM: (714) 854-450

INFORMATION FOR SEQ ID NO: 35:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 base pairs

TYPE: nucleic acid

STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 4199 Campus Drive, Suite 700 CITY: Irvine
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modified base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: C. COUNTRY:
                                                                                                                                                                                                                                                               ;
US-08-202-927-31
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Sequence 31, Application US/08202977

GENERAL INFORMATION:
APPLICANT: Cheng, Yung-chi
APPLICANT: Meyer Jr., Rich B.
APPLICANT: Pai, Balakrishna S.
APPLICANT: Red, Michael W.
APPLICANT: Red, Michael W.
TITLE OF INVENTION: Modified Oligonucleotide Duplexes Having
TITLE OF INVENTION: Anticancer Activity
NUMBER OF SEQUENCES: OCCRRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/202,927
FILING DATE: 28-FEB-1994
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Szekeres, Gabor L.
REGISTRATION NUMBER: 28,675
REFERENCE/DOCKET NUMBER: 491-07-PA
TELECOMMUNICATION INFORMATION:
MATTORNEY/AGENTON INFORMATION:
TELECOMMUNICATION INFORMATION:
MATTORNEY/AGENTON INFORMATION INF
                                                                                                                                                     NAME: Liebeschuetz, Joseph O.
REGISTRATION NUMBER: 37,505
REGISTRATION NUMBER: 37,505
TELECOMMUNICATION INPORMATION:
TELEPHONE: 650-326-2400
TELEPHONE: 650-326-2402
INPORMATION FOR SEQ ID NO: 200:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45.0%; Scor.
100.0%; Pred. No. ...
0; Mismatches
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STREET: 4199 Campus Drive, Suite 700
CITY: Irvine
                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/082,937
FILING DATE: 25-UIN-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (714) 854-5502
TELEFAX: (714) 854-4897
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: DNA (probe)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity luv.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12 CATGGATGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
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Query Match
42.0%; Score 8.4; DB 1; Length 10;
Best Local Similarity 90.0%; Pred. No. 25;
Matches 9; Conservative 0; Mismatches 1; Indels
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Fatent No. 601561
GENERAL INFORMATION:
APPLICANT: NICHOLS J. Deacon
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
APPLICANT: COOPER
APPLICANT: SALDRESSER
APPLICANT: COOPER
APPLICANT: DAVID COOPER
A
                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
STREET 400 GARDEN CITY
CITY: GARDEN CITY
STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 11530-0299
COMPUTER: EADABLE FORM:
MEDIUT TYPE: Floppy disk
COMPUTER: EADABLE FORM:
MEDIUT TYPE: Floppy disk
COMPUTER: IBM PC COMPALIDE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTATING DATE: 107-UNN-1995
PILLING DATE: 14-FEB-1994
APPLICATION NUMBER: PM4002 (AU)
FILLING DATE: 21-FEB-1995
APPLICATION NUMBER: PM4002 (AU)
FILLING DATE: 21-FEB-1995
APPLICATION NUMBER: PM3021/95
FILLING DATE: 14-FEB-1995
APPLICATION NUMBER: PM3021/95
FILLING DATE: 17-MY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGIGILO
FILLING DATE: 17-MY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGIGILO
REFERENCE/DOCKET NUMBER: 9606Z
TELECOMMUNICATION INFORMATION:
TELEPANS: (516) 742-4366
INFORMATION FOR SEQ ID NO: 523:
SEQUENCE CHARACTERISTICS:
LENGTH A. ACIA
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1 CONRESPONSEQUENCES: 841
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy di
COMPUTER: IBM PC compa
OPERATING SYSTEM: PC-D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: U.S.A.
ZIP: 11530-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 CTCATGGTCA 11
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                                                                  Score 8.4; DB 1; Length 10;
Pred. No. 25;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                               Sequence 523, Application US/08388353
; Sequence 523, Application US/08388353
; Patent No. 6010895
; GENERAL INFORMATION:
APPLICANT: Deacon, Nicholas J.
APPLICANT: Crowe, Dannifer C.
APPLICANT: Crowe, David
TILLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
ITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gcully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: New York
COUNTRY: United States
ZIP: 11530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1; Length 10;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CAPRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/388,353
FILIMG DATE: 14-FEB-1995
CLASSIFICATION: 424
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Pred. No. 25;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY AGENT INPORTATION:
NAME: Didiglio, Frank S.
REGISTRATION UNDRER: 31,346
REFERENCE/DOCKET NUMBER: 9606
TELECOMMUNICATION INFORMATION:
TELEFONE: (516) 742-4343
TELEFAX: (516) 742-436
TELEY: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 523:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
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APPLICANT: Nicholas J. Deacon
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear / MOLECULE TYPE: DNA (genomic) US-08-388-353-523
                                                                         42.0%;
90.0%;
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Best Local Similarity 90.0%;
Matches 9; Conservative
                                                                  Query Match
Best Local Similarity 90.0
Matches 9, Conservative
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                                                                                                                                                                                                                                                                        1 CACACGGATG 10
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          US-08-202-927-35
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80.0%;
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 29
                                                                                                                                                                                                                                                                                                                                                                          Query Match 42.0%;
Best Local Similarity 80.0%;
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Best Local Similarity 80.0
Matches 8; Conservative
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CORGANISM: Homo sapiens
US-09-905-7448-29
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US-09-908-510A-29
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                                                                                                                                                                                                                                              SEQ ID NO 29
                                                                                                                                                                                                                                                                LENGTH: 10
                                                                                                                                                                                                                                                                                         TYPE: RNA
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| Patent No. 6350447
| GENERAL INFORMATION:
| APPLICANT: Chadwick, Brian Paul
| APPLICANT: Chadwick, Brian Paul
| APPLICANT: Prischauf, Anna-Maria
| TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE
| TITLE OF INVENTION: POLYPEPTIDES AND NUCLEIC ACIDS
| FILE REFERENCE: 9598-066
| CURRENT APPLICATION NUMBER: US/09/240,639
| CURRENT FILING DATE: 1998-01-29
| NUMBER OF SEQ ID NOS: 29
| SOFTWARE: Patentin Ver. 2.0
| SEQ ID NO 29
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PatentIn Release #1.0, Version #1.25
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1; Mismatches
             CURRENT APPLICATION DATA:

APPLICATION WHOBER: US/08/488,551B
FILING DATE: 07-UN-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PM3864 (AU)
FILING DATE: 14-FEB-1994
APPLICATION NUMBER: PM4002 (AU)
FILING DATE: 21-DEC-1994
APPLICATION NUMBER: PM0284 (AU)
FILING DATE: 23-DEC-1994
APPLICATION NUMBER: PM3021/95
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PM3021/95
FILING DATE: 17-MAY-1995
ATTORNEY-AGENT INFORMATION:
NAME: FRANK S. DIGIGILO
SEPERENCE/DOCKET NUMBER: 9606Z
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4346
INFORMATION FOR SEQ ID NO: 841:
SEQUENCE CHARACTERISTICS:
T-WATH: 10 base pairs
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US-09-908-510A-29
; Sequence 29, Application US/09908510A
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Best Local Similarity 90.0%;
Matches 9; Conservative 0
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Matches 8; Conservative
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STRANDEDNESS: single
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GENERAL INFORMATION:
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WS-09-905-7448-29
Sequence 29, Application US/09905744B
Sequence 29, Application US/09905744B
Sequence 29, Application US/09905744B
Sequence 29, Application US/0905744B
Sequence 29, Application Sequence 29, Application Sequence 29, Applicant Chadwick, Brian Paul
APPLICANT: Chadwick, Brian Paul
APPLICANT: Chadwick, Brian Paul
APPLICANT: Chadwick, Brian Paul
APPLICANT: Chadwick, Brian Maria
TITLE OF INVENTION: ACIDS
FILE REFERENCE: 28110/36120A
CURRENT APPLICATION NUMBER: 2001-07-13
PRIOR APPLICATION NUMBER: 09/240,639
PRIOR FILING DATE: 1999-01-29
APPLICANT: Frischauf, Anna Maria
TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE POLYPEPTIDES AND 1
TITLE OF INVENTION: ACIDS
FILE REFERENCE: 28110/36120E
FILE REFERENCE: 28110/36120E
CURRENT APPLICATION NUMBER: US/09/908,510A
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: 09/240,639
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn version 3.1
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Fatent No. 6780977

GENERAL INFORMATION:

APPLICANT: Chadwick, Brian Paul

APPLICANT: Chadwick, Brian Paul

TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE

TITLE OF INVENTION: POLYPEPTIDES AND NUCLEIC ACIDS

FILE REFERENCE: 9598-066

CURRENT APPLICATION NUMBER: US/10/107,660

CURRENT FILING DATE: 1998-01-29

FRIOR FILING DATE: 1998-01-29

NUMBER OF SEQ ID NOS: 29
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Sequence 29, Application US/09905743B

Patent No. 6828423
GENERAL INFORMATION:
FINE CANADICATION:
APPLICANT: Crischauf, Anna Maria
APPLICANT: ACIDS
FILE REPERENCE: 28110/36120C
CURRENT APPLICATION NUMBER: US/09/905,743B
CURRENT FILING DATE: 1999-01-29
RIOR APPLICANTON NUMBER: 09/240,639
RRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin version 3.1
SEG ID NOS: 22
SEC ID NOS: 22
SEC ID NOS: 22
SEC ID NOS: 22
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APPLICANT: Chadwick, Brian Paul
APPLICANT: Friachauf, Anna Maria
TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE POLYPEPTIDES AND
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TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE
TITLE OF INVENTION: METHODS AND NUCLEIC ACIDS
FILE REFERENCE: 9598-066
CURRENT APPLICATION NUMBER: US/09/905,589
CURRENT APPLICATION NUMBER: US/09/240,639
PRIOR FILING DATE: 1998-01-29
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PATCHILL VET: 2.0
LENGTH 10
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42.0%; Score 8.4; DB 1; Length 10;
Best Local Similarity 80.0%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 1; Indels
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Patent No. 6884872
GENERAL INFORMATION:
APPLICANT: Chadwick, Brian Paul
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  1 ACAAGGAUGA 10
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US-09-905-743B-29
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US-09-905-589-29
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US-10-108-171A-29
                                                                                             US-09-905-743B-29
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APPLICANT: Frischauf, Anna Maria
APPLICANT: Frischauf, Anna Maria
TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE POLYPEPTIDES AND
TITLE OF INVENTION: ACIDS
FILE REPERENCE: 28110/36120H
CURRENT APPLICATION NUMBER: US/10/107,576
CURRENT PILING DATE: 2002-03-27
PRIOR PILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin version 3.1
SEQ ID NO 29
LENGTH: 10
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APPLICANT: Chadwick, Brian Paul
APPLICANT: Crischwif, Anna Maria
FILE REPERENCE: 28110/361208
CURRENT APPLICATION NUMBER: US/09/905,732B
CURRENT APPLICATION NUMBER: 09/240,639
PRIOR PILING DATE: 1999-01-29
NUMBER: OF SEQ ID NOS: 32
SOFTWARE: Patentin version 3.1
SEQ ID NO 29
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pred. No. 25;
1; Mismatches 1; Indels
                                                                                                                                       Query Match
42.0%; Score 8.4; DB 1; Length 10;
Bost Local Similarity 80.0%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 1; Indels
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42.0%; Score 8.4; DB 1; Length 10;
Best Local Similarity 80.0%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 1; Indels
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, Sequence 29, Application US/09905732B
; Patent No. 6787328
                                                                                                                                                                                                                                                                                                                                                           RESULT 18
US-10-107-576-29
'p Sequence 29, Application US/10107576
'p Retent No. 6783959
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Best Local Similarity 80.0
Matches 8; Conservative
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CORGANISM: Homo sapiens
US-10-107-576-29
                                              TYPE: RNA
ORGANISM: Homo sapiens
US-10-107-660-29
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ORGANISM: Homo sapiens
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SEQ ID NO 29
LENGTH: 10
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NAME/KEY: modified base
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              OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
PCT-US95-02419-31
OTHER INFORMATION:
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                                                                                                                                                        Best Local Similarity
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CITY: Irvine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: CA
COUNTRY: U.S
ZIP: 92715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCT-US95-02419-35
                                                                                                                                                                                                                                                                                                                                      -US95-02419-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE:
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                                                                                                                                      Query Match
                                                                                                                                                                             Matches
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OTHER INFORMATION: /mod_base= OTHER
OTHER INFORMATION: /note= "Nucleotide 10 has a tail which comprises
                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Modified Oligonucleotide Duplexes Having TITLE OF INVENTION: Anticancer Activity
NUMBER OF SEQUENCES: 70
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                            DB 1; Length 10;
                                                                                                                                                                                                                                                                                                                    1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/02419
FILING DATE:
FLING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER: US 08/202,927
FILING DATE: 28-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Szekeres, Gabor L.

REGISTRATION NUMBER: 28,675
REFERENCE/BOCKET NUMBER: 491-07-PA
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION OF 854-5502
TELERPANE: (714) 854-4497
INFORMATION FOR SEQ ID NO: 31:
SEQUIENCE CHARACTERICS:
                                                                                                                                                                                                                                                                            Score 8.4; DB Pred. No. 25; 1; Mismatches
              FILE REFERENCE: 28110/36120F
GURRENT APPLICATION NUMBER: US/10/108,171A
CURRENT FILING DATE: 2002-03-27
FRICH APPLICATION NUMBER: 09/240,639
FRICH FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin version 3.1
SEQ ID NO 29
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 4199 Campus Drive, Suite 700 CITY: Irvine STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 31, Application PC/TUS9502419 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Cheng, Yung-chi
APPLICANT: Lukhtanov, Eugeny A.
APPLICANT: Meyer Jr., Rich B.
APPLICANT: Pai, Balakrishna S.
APPLICANT: Reed, Michael W.
APPLICANT: Zhou, James H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Klein & Szekeres
                                                                                                                                                                                                                                                                            42.0%;
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                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 10 base pairs
  TITLE OF INVENTION: ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                           11 ACATGGATGA 20
                                                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         U.S.A.
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                                                                                                                                                                                                                                         US-10-108-171A-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCT-US95-02419-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
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OTHER INFORMATION: the 13'-phosphate through a carbonyl group attached of OTHER INFORMATION: the 14'-phosphate through a carbonyl group attached of OTHER INFORMATION: the the arign integen of a moiety derived fram of the Arign integen of a moiety derived from of the Arign integen of a moiety derived from of the Arign integen of a moiety derived from of the Arign integen of the Arign integer of the Arign integen of the Arign integer of the Arign i
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Sequence 26, Application US/08122433
Sequence 26, Application US/08122433
Patent No. 5683985
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Chu, Barbara C.F.
APPLICANT: Chu, Barbara C.F.
APPLICANT: Chu, Barbara C.F.
TITLE OF INVENTION: OLIGODEOXYNUCLEOTIDES AND
TITLE OF INVENTION: SELECTIVELY BIND TO DEFINED DNA SEQUENCES
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: PRETTY, SCHROEDER, BRUECGEMANN & CLARK
STREET: 444 South Flower Street, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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42.0%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 40;
Matches 9; Conservative 0; Mismatches 1; Indels
                                                                    ZIP: 02109
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/973,431B
FILING DATE: CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elsenstein, Romald I
REGISTRENCEY/OCKET NUMBER: 41968
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPAX: (617) 523-5440
TELEPAX: (617) 523-3400
TELEPAX: (617) 523-3400
TELEPAX: (617) 523-3400
SELER: 200291 STRE UR
TELERENCE CHARACTERISTICS:
TENGRATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/122,433
FILING DATE: 22-SEP-1993
PRICE PROFITM: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 07/687,337
FILING DATE: 18-APR-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P31 9308
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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STATE: California
COUNTRY: USA
                                              USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 27
US-08-122-433-26/c
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                       STATE: MA
COUNTRY:
ZIP: 0210
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42.0%; Score 8.4; DB 1; Length 10; 90.0%; Pred. No. 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Lu, Yinchen
APPLICANT: Lu, Yinchen
APPLICANT: Haselline, William A
TITLE OF INVENTION: YCI Protein, Gene, And Uses Thereof
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: David G. Conlin, Dike, Bronstein,
ADDRESSEE: Roberts & Cushman
STREET: 130 Water Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                              1; Indels
                                                                                                                                                                                                                                          Sequence 10, Application US/08030335
Patent No. 5491073
GENERAL INFORMTION:
APPLICANT: No. 5491073eborn, Matheus H
APLICANT: De Boer, Gerben F
TITLE OF INVENTION: Cloning Of Chicken Anaemia DNA
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/030,335
FILING DATE: 08-MAR-1993
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 3, Application US/07973431B Patent No. 5652144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Moran, Thomas F
REGISTRATION NUMBER: 16,579
REFERENCE/DOCKET NUMBER: 43276
TELECOMMUNICATION INFORMATION:
TELESPAX: (212)-977-9509
TELEX: (212)-977-9609
TELEX: (212)-977-9609
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Cooper & Dunham
STREET: 30 Rockefeller Plaza
CITY: New York, New York
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   42.0%;
  Query Match
Best Local Similarity 90.0
Matches 9, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 90.0
Matches 9, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 12 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                         10 CACATGGATG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7 GGTCACATGG 16
                                                                                                                                     1 CACACGGATG 10
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US-07-973-431B-3/c
                                                                                                                                                                                                         RESULT 25
US-08-030-335-10/c
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Gaps

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Score 8.4; DB 1; Length 12;
Pred. No. 40;
0; Mismatches 1; Indels
    Indels
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Sequence 10, Application US/08480020B

Patent No. 5932476

GENERAL INFORMATION:

APPLICANT: DE DOER, GENEDEN F.

TITLE OF INVENTION: CLONING OF CHICKEN ANEMIA DNA

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:

ADDRESSEE: RAE-VENTER LAW GROUP

STREET: 260 SHERIDAN AVENUE, SUITE 400
                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: CALIFORNIA

COUNTRY: UNITED STATES OF AMERICA

ZIL: 94306

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,020B
FILING DATE: 07-JUN-1995
CLLASSIFICATION: DATA:
APPLICATION NUMBER: US 08/030,335
FILING DATE: 08-MRR-1993
RIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/NL91/00165
FILING DATE: 12-SEP-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: N 9002008
FILING DATE: 12-SEP-1990
ATTORNEY/AGENT INFORMATION:
NAME: KUNG, VIOLA
REGISTRATION NUMBER: P41.131
      1;
      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: P41,131
REFERENCE/DOCRET NUMBER: VEOC.002.02US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)328-4400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 10, Application US/08910618
Patent No. 5558424
GENERAL INFORMATION, MATHEUS H.M. APPLICANT: DE BOER, GERDEN F.
      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              42.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (650)328-4477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 90.0
Matches 9; Conservative
      9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 GGTCACATGG 16
                                               3 TCATGGTCAC 12
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TELEFAX: (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-480-020B-10
      Matches
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                                                                                                                                                                                                                                         Score 8.4; DB 1; Length 12;
Pred. No. 40;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZOPEN ALTER SEADABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
COMPUTER: 1BM Compatible
OPERATING SYSTEM: 1BM P.C. DOS (Version 5.0)
SOFTWARE: WordPorfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/623,891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HERRES SIMPLEX
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 115
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 611 West Sixth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HELLING DATE:
APPLICATION NUMBER: US/07/987,133
FILING DATE:
APPLICATION NUMBER: U7/882,921
FILING DATE: May 14, 1992
APPLICATION NUMBER: 07/948,359
FILING DATE: September 18, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
FLECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/238,200
                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 24, Application US/08623891 Patent No. 5795778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           42.0%;
                                                                                                                                                                                                                                           Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative
TELEPHONE: 619-546-1995
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
      619-546-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                   7 GGTCACATGG 16
                                                                                                                                                                                                                                                                                                                                                                              12 GGTCACGTGG 3
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California
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Best Local Similarity
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                                                                                                                                                                                                    US-08-122-433-26
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Gaps

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Query Match 42.0%; Score 8.4; DB 1; Length 12; Best Local Similarity 90.0%; Pred. No. 40; Matches 9; Conservative 0; Mismatches 1; Indels
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US-08-910-322-10/c

US-08-910-322-10/c
; Sequence 10, Application US/08910322
; Patent No. 6238669
; GENERAL INFORMATION:
APPLICANT: NOTEBORN, MATHEUS H.M.
APPLICANT: DE BOER, GERDEN F.
TITLE OF INVENTION: CLONING OF CHICKEN ANEMIA DNA
NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READBABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: WO PCT/NL91/00165
FILING DATE: 12-SEP-1990
PRIOR APPLICATION NUMBER: NL 9002008
FILING DATE: 12-SEP-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: RAE-VENTER LAW GROUP
STREET: 260 SHERIDAN AVENUE, SUITE 400
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Rae-Venter, Barbara
REGISTRATION NUMBER: 32,750
REFERENCE, DOCKET NUMBER: VEOC.002.01US
TELECOMUNICATION INFORMATION:
TELEPHONE: (650)328-4400
  SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/105,515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/484,939
                                                                                            CLASSIPICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KILYK JR., JOHN
REGISTRATION NUMBER: 30763
REFERENCE/DOCKET NUMBER: 838.
TELECOMMUNICATION INFORMATION:
TELEPAX: 312-616-5600
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7 GGTCACATGG 16
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                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: TEM FOCOMBALISH
COMPUTER: TEM FOCOMBALISH
COMPUTER: PER FLOME SOFTHER: POCOMBALISH
COMPUTER: PACHICIATION DATA:
APPLICATION NUMBER: US 08/484,939
FILING DATE: 13-AUG-1997
APPLICATION NUMBER: US 08/484,939
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: WO PCT/NL91/00165
FILING DATE: 12-SEP-1990
APPLICATION NUMBER: WO PCT/NL91/00165
FILING DATE: 12-SEP-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: ND 9002008
FILING DATE: 12-SEP-1990
PRIOR APPLICATION NUMBER: ND 9002008
FILING DATE: 12-SEP-1990
ATTORNEY AGENT INFORMATION:
NAME: Rae-Venter, Barbara
REGISTRATION NUMBER: VEOC.002.01US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
     CLONING OF CHICKEN ANEMIA DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2, Application US/09105515
Patent No. 6113913
GENERAL INFORMATION:
APPLICANT: BROUGH, DOUGLAS E.
TITLE OF INVENTION: RECOMBINANT ADENOVIRUS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSE: LEYDIG, VOIT & MAYER, LTD.
STREET: TWO PRUDENTIAL PLAZA, SUITE 4900
CITY: CHICAGO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 8.4; DB
Pred. No. 40;
0; Mismatches
                    NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: RAE-VENTER LAW GROUP
STREET: 260 SHERIDAN AVENUE, SUITE 400
                                                                                                                        CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: 1US
ZIP: 60601-6780
ZIP: 60601-6780
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIDLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (650)328-4477
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               42.0%;
90.0%;
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Best Local Similarity 90.0
Matches 9; Conservative
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     TITLE OF INVENTION:
                                                                                                                                                                                                ZIP: 94306
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COUNTRY:
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APPLICANT: Taylor, Ethan W.
TITLE OF INVENTION: SELENOPROTEINS, CODING SEQUENCES AND METHODS
FILE REFERENCE: 55-95
CURRENT APPLICATION NUMBER: US/08/679,493A
CURRENT PILING DATE: 1996-07-12
PRIOR APPLICATION NUMBER: 60/001203
PRIOR APPLICATION NUMBER: 60/003,112
PRIOR PILING DATE: 1995-09-01
NUMBER OF SEQ ID NOS: 216
SOFTWARE: PATENTIN VEY: 2.0
SEQ ID NO 68
LENGTH: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
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                                                                                                                    42.0%; Score 8.4; DB 1; Length 12; 90.0%; Pred, No. 40; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            / Match 42.0%; Score 8.4; DB 1; Length 12; Local Similarity 90.0%; Pred. No. 40; 9; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 10, Application US/08484939A
Patent No. 6319693
GENERAL INFORMATION:
APPLICANT: DE BOER, GERDEN F.
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: RAE-VENTER LAW GROUP
STREET: 260 SHERIDAN AVENUE, SUITE 400
STATE: CALIFORNIA
COUNTRY: NOTED STATES OF AMERICA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compartible
OPERATIOS SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: RNA
; ORGANISM: Human immunodeficiency virus type 1
US-08-679-493A-68
                                                                                                                                                                                                                                                                                                        RESULT 33
US-08-679-493A-68/c
, Sequence 68, Application US/08679493A
, Patent No. 6303295
                                                           MOLECULE TYPE: DNA (genomic) US-08-910-322-10
                                                                                                                                         Best Local Similarity 90.0
Matches 9, Conservative
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94306
                                                                                                                        Query Match
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Pred. No. 40;
0; Mismatches 1; Indels
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Sequence 24, Application US/09340861

Patent No. 6432704

GENERAL INFORMATION:

APPLICANT: Kenneth G. Draper

ITILE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

VINUABER OF SEQUENCES:

CORRESSEDNOBENCE ADDRESS:

ADDRESSEDE: Lyon & Lyon

Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 90017
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage COMPUTER: IBM COMPAILBLE OPERATING SYSTEM: IBM P.C. DOS (Version 5.0) SOFTWARE: WordPerfect (Version 5.1) CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/340,861
        APPLICATION NUMBER: 07/882,921
FILING DATE: May 14, 1992
APPLICATION NUMBER: 07/948,359
FILING DATE: September 18, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 200/209
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US/07/987,133
US 08/030,335
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611 West Sixth Street
                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                            Query Match 42.0%;
Best Local Similarity. 90.0%;
Matches 9; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7 GGTCACATGG 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 611 West STATE: Los Angeles STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
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7 GGTCACATGG 16
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  12 TCATGGCCAC 3
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US-09-384-472-10/c
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                                                                                    JS-09-748-044-2/C
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                                                                                                                                                                                    Score 8.4; DB 1; Length 12; Pred. No. 40; 0; Mismatches 1; Indels
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42.0%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 40;
Matches 9; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24, Application US/09634262
| Patent No. 6440719
| GENERAL INFORMATION:
| APPLICANT: Kenneth G. Draper
| TITLE OF INVENTION: METHOD AND REAGENT FOR
| TITLE OF INVENTION: INHIBITING HERPES SIMPLEX
| TOWNER OF SEQUENCES: 115
| CORRESPENDENCE ADDRESS: Lyon & Lyon
| STREET: 611 West Sixth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
COMPUTER: IBM Compatible
COMPUTER: IBM P.C. DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 07/882,921
FILING DATE: May 14, 1992
APPLICATION NUMBER: 07/948,359
FILING DATE: September 18, 1992
ATTORNEY AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 200/209
TELECOMMUNICATION: 1NFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/987,133
FILING DATE:
                          24:
                                                                                                                                                                                           Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
TOPOLOGY: linear
                                                                                TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                  3 TCATGGTCAC 12
                                                                                                                                                                                                                                                                                                                          12 TCATGGCCAC 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-634-262-24/C
                                                                                                                                                 US-09-340-861-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-634-262-24
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RESULT 37

GUESTAL TAPOLACY/C

SEGMENAL INFORMATION BY DESCRIPTION BY DESCRIPTION
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Rae-Venter, Barbara

3 TCATGGTCAC 12

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Gaps

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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic PNA US-09-793-146-48
                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic PNA US-09-793-146-38
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Sequence 49, Application US/09793146

GENERAL INFORMATION:
APPLICANT: UHRANN, EUGEN
APPLICANT: UHRANN, EUGEN
TITLE OF INVENTION: POLYAMIDE-OLIGONUCLEOTIDE DERIVATIVES, THEIR
TITLE OF INVENTION: PREPARATION AND USE
FILE REFERENCE: 0.2481.1437.02
CURRENT APPLICATION NUMBER: US/09/793,146
CURRENT APPLICATION NUMBER: US/09/793,146

PRIOR APPLICATION NUMBER: 08/402,838

PRIOR FILING DATE: 1994.03.14

PRIOR FILING DATE: 1995-03-13

NUMBER OF SEQ ID NOS: 70

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-793-146-48

| Sequence 48, Application US/09793146
| Patent No. 6919441
| GENERAL INFORMATION:
| APPLICANT: UHLMANN, EUGEN
| TITLE OF INVENTION: PREPARATION AND USE
| TITLE OF INVENTION POLYAMIDE-CLIGONUCLEOTIDE DERIVATIVES, THEIR
| TITLE OF INVENTION: PREPARATION AND USE
| FILE REPERENCE: 02481.1437-02
| CURRENT APPLICATION NUMBER: US/09/793,146
| CURRENT FILING DATE: 2001-02-27
| PRIOR APPLICATION NUMBER: 08/402,838
| PRIOR FILING DATE: 1994-03-14
| PRIOR FILING DATE: 1995-03-13
| NUMBER OF SEQ ID NOS: 70
| NUMBER OF SEQ ID NOS: 70
| SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                            Query Match, 42.0%; Score 8.4; DB 1; Length 12; Best Local Similarity 90.0%; Pred. No. 40; Mismatches 1; Indels Matches 9; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 8.4; DB 1; Length 12;
Pred. No. 40;
0; Mismatches 1; Indels
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Best Local Similarity 90.0%;
Matches 9; Conservative C
                                                                                                              ORGANISM: Artificial Sequence
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                      SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 38
LENGTH: 12
                                                                                                                                                                                                                                                                                                                               1 CCTCATGGTC 10
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NUMBER OF SEQ ID NOS: 70
                                                                                                                                                                                                                                                                                                                                                                           2 CATCATGGTC 11
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                                                                                          TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
                                                                                                                                         FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                Gaps
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APPLICANT: UHLWANN, EUGEN
APPLICANT: HEIPOHL, GERHARD
APPLICANT: WILL, DAVID W
TITLE OF INVENTION: PROCESSES FOR PREPARING THEM
TITLE OF INVENTION: PROCESSES FOR PREPARING THEM
CURRENT APPLICATION NUMBER: US/09/835,370
CURRENT FILING DATE: 2001-04-17
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PALENTIN VEY: 2.1
SEQ ID NO 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
COTHER INFORMATION: Description of Artificial Sequence: nucleotide
COTHER INFORMATION: base sequence of PNA derivatives that bind to
COTHER INFORMATION: viral and cellular targets
US-09-835-370-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: UNLMANN, EIGEN
APPLICANT: UNLMANN, EIGEN
APPLICANT: BEELPOHL, GERHARD
TITLE OF INVENTION: PREPARATION AND USE
TILE REFERENCE: 02481.1437-02
CURRENT APPLICATION NUMBER: US/09/793,146
CURRENT FILING DATE: 2001-02-27
PRIOR FILING DATE: 2001-02-27
PRIOR FILING DATE: 1994-03-14
PRIOR PLING DATE: 1995-03-14
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                                                                                                                                                                                                                                                                                                                       h Similarity 90.0%; Score 8.4; DB 1; Length 12; Similarity 90.0%; Pred. No. 40; 9; Conservative 0; Mismatches 1; Indels
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                        VEOC. 002.01US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 54, Application US/09835370 Patent No. 6777544
                   REFERENCE/DOCKET NUMBER: VEOC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)328-4400
TELEFAX: (650)328-4470
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
REGISTRATION NUMBER: 32,750
                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 90.0
Matches 9; Conservative
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                                                                                                                                                                                     nucleic acid
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Matches 9; Conserv
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US-09-793-146-38
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Gaps

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Sequence 17, Application US/0833555A
Patent No. 5527611
GENERAL INFORMATION:
APPLICANT: I, Kening
APPLICANT: Rouse, Douglas I.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12 CATGGATG 19
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                                                                     , OTHER INFORMATION: Description of Artificial Sequence: Synthetic PNA US-09-793-146-49
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                                                                                                                                                                                                                                                                                                                       Sequence 386, Application US/08859954

Patent No. 6083695

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Hardin, Ramin
APPLICANT: Hardin, Paul E.
TITLE OF INVENTION: Gene Sequencing and Method Thereof
NUMBER OF SEQUENCES: 566
CORRESPONDENCE ADDRESS:
ADDRESSEE: Full-right & Jaworski L.L.P.
STREET: 1301 McKinney, Suite 5100
                                                                                                                          Length 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           40.0%; Score 8; DB 1; Length 8;
100.0%; Pred. No. 3.8e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: FLOEDY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Ralease #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,954
                                                                                                                        Score 8.4; DB 1;
Pred. No. 40;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/632,782
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5900
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INPORMATION FOR SEQ ID NO: 386: SEQUENCE CHARACTERISTICS: LENGTH: 8 base pairs TYPE: nucleic acid STRANDEDNESS: single
               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                          Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative
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Best Local Similarity 100.
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STATE: Texas
COUNTRY: U.S.A.
ZIP: 77010-3095
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LENGTH: 12
                                                        FEATURE:
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KESULT 44

US-09-270-437D-22

Sequence 22, Application US/09270437D

Sequence 22, Application US/09270437D

Patent No. 6830924

GENERAL INFORMATION:

APPLICANT: Chen, Yao-Teeng

APPLICANT: Gure, Ali

APPLICANT: Tang, Solam

APPLICANT: Tang, Solam

APPLICANT: Tang, Solam

APPLICANT: Tang, Solam

APPLICANT: Mouth, Ascander

APPLICANT: Mouth Sale.

CURRENT FILING DATE: 1990-03-16

PRIOR APPLICATION NUMBER: 09/061,709

PRIOR FILING DATE: 1998-04-17

NUMBER OF SEQ ID NOS: 23

SEQ ID NO 22

LINGTH: B
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5395759-14
PARENIL OF LOADES, IAN H., DYALL-SMITH, MICHAEL L.
PAPLICANT: HOLMES, IAN H., DYALL-SMITH, MICHAEL L.
TITLE OF INVENTION: DNA SEQUENCES AND AMINO ACID SEQUENCE
SCODING THE HUMAN ROTAVIRUS MAJOR OUTER CAPSID GLYCOPROTEIN
NUMBER OF SEQUENCES: 14
CURRENT APPLICATION DATA:
PILLING DATE: 29-APR-1985
PROR APPLICATION NUMBER: 824,704
FILLING DATE: 04-FEB-1987
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CTHER INFORMATION: synthetic adaptor sequence US-09-270-437D-22
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                                                                                                                                                                                                                                   Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Deacon, Nicholas J.
APPLICANT: Learmont, Jennifer C.
APPLICANT: Crowe, Suzanne
APPLICANT: Crowe, Suzanne
APPLICANT: Crowe, Suzanne
TITLE OF INVENTION: NOW-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 800
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: Garden City Plaza
CITY: Garden City
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRIED

ZIP: 11530

COMPUTER 11530

COMPUTER FRADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 14-FEB-1995
FILLING DATE: 14-FEB-1995

TALGET FORMER A 424
                                                                                                                                                                                                                                   Query Match
40.0%; Score 8; DB 1;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 8; Conservative 0; Mismatches
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100.0%; Pred. No. 31;
Live 0; Mismatches
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Patent No. 6010895
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TELECOMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELERAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 516:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Didiglio, Frank S.
REGISTRATION NUMBER: 31,346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA (genomic)
    (203)268-1951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 8; Conservative
                        TELEFAX: (203)268-1951
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 single
                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                         12 CATGGATG 19
                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: DNA US-08-590-571-22
                                                                                                                                                                                                                                                                                                                                                                 10 CATGGATG 3
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  TELEPHONE:
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US-08-388-353-516
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                                                                                                                                                                                                                                                                                          OFFWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/335,565A
FILING DATE:
CLASSIFICATION TORNATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFRENCE/DOCKET NUMBER: 960296.93065
TELECOMMUNICATION:
TELEPHONE: 608-251-5000
APPLICANT: German, Thomas L.
TITLE OF INVENTION: ASSAY FOR VERTICILLIUM DAHLIAE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS: 3
ADDRESSEE: Quarles and Brady
STREET: 1 South Pinckney St., PO BOX 2113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 22, Application US/08590571
Patent No. 5861246
GENERAL INFORMATION:
APPLICANT: Sherman Weissman and Girish N. Nallur
TITLE OF INVENTION: MULTIPLE SELECTION PROCESS
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: Yahwak & Associates
STREET: 25 Skytop Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        40.0%; Score 8; DB 1
100.0%; Pred. No. 31;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READBLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/590,571
                                                                                                                                                                     COUNTRY: USA
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: George M. Yahwak
REGISTRATION NUMBER: 26,824
REFRENCE/POCKET NUMBER: Yale
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 25 Skytop Dr
CITY: Trumbull
STATE: Connecticut
COUNTRY: USA
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                                                                                                                                  Madison
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-590-571-22/c
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Query Match 40.0%; Score 8; DB 1
Best Local Similarity 100.0%; Pred. No. 31;
Matches 8; Conservative 0; Mismatches
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APPLICATION NUMBER: US 08/388,35
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PN3021/0F
FILING DATE: 14-FEB-1895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA (genomic) US-08-388-353-518
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13 ATGGATGA 20
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US-08-353-518

Sequence 518, Application US/08388353

Patent No. 6010895

GENERAL INFORMATION:

APPLICANT: Dearmont, Jennifer C. APPLICANT: McPhee, Dale A. APPLICANT: Cooper, David

TITLE OF INVENTION: NOW-PATHOCENIC STRAINS OF HIV-1

NUMBER OF SEQUENCES: 800

CORRESPONDENCE ADDRESS:

ADDRESSEE: Scully, Scott, Murphy & Presser

STREET: 400 Garden City Plaza

CITY: Garden City Plaza

CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
Sequence 517, Application US/08388353
) Patent No. 6010895
) GENERAL INFORMATION:
APPLICANT: Deacon, Nicholas J.
APPLICANT: Learmont, Jennifer C.
APPLICANT: Cooper, Dale A.
APPLICANT: Cooper, David
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 800
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: New York
COUNTRY: United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; Length 10;
                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
GURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/388,353
FLING DATE: 14-FEB-1995
CLASS!FICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: DIGGALO. Frank S.
REGISTRATION NUMBER: 9606
TELEBRACE/DOCKET NUMBER: 9606
TELEBRACE/DOCKET NUMBER: 9606
TELEBRACE (516) 742-436
TELEBRACE (516) 742-436
TELEBRACE (516) 742-436
TELEBRACE CHARACTERISTICS:
MANDE: LO DASE PAIRS
LENGTH: 10 DASE PAIRS
LENGTH: 10 DASE PAIRS
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100.0%; Pred. No. 31;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New York
: United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aingle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13 ATGGATGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
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Gaps
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1 US-08-488-551B-516

1 Sequence 516, Application US/08488551B

1 Sequence 516, Application US/08488551B

2 Sequence 516, Application US/08488551B

3 Patent No. 601561

3 APPLICANT: David Cooper

3 TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1

3 TORRESPONDENCES: 84.1

3 CORRESPONDENCES: 84.1

3 CORRESPONDENCE ADDRESS:

4 CORRESPONDENCE ADDRESS:

5 ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER

5 STREET: NEW YORK

5 COUNTRY: US.A.

5 COUNTRY: US.A.

6 CONTRY: US.A.

7 COUNTRY: LOSD OF ADDRESSER

8 CONTRY: US.A.

8 COUNTRY: LOSD OF ADDRESSER

9 COMPUTER READABLE FORM:

MEDIUM TYPE: Ploopy disk

1 COMPUTER: DAPPA OF COMPATIBLE FORM:

MEDIUM TYPE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PM364 (AU)

FILING DATE: 1-FEB-1994

APPLICATION NUMBER: PM4002 (AU)

FILING DATE: 21-FEB-1994

APPLICATION NUMBER: PM0284 (AU)

FILING DATE: 21-FEB-1994

APPLICATION NUMBER: PM0284 (AU)

FILING DATE: 21-FEB-1994

APPLICATION NUMBER: PM0284 (AU)
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COMPUTER: ILESAOR

MEDIUM TYPE: Floppy disk

COMPUTER: IEB PC compatible

COMPUTER: IEB PC compatible

COMPUTER: TEB PC compatible

COMPUTER: PAPELICATION NUMBER: US/08/388,353

FILING DATE: 14-FEB-1995

CLASSIFICATION NUMBER: US/08/388,353

FILING DATE: 14-FEB-1995

CLASSIFICATION: Frank S.

REGISTRATION NUMBER: 31,346

REGISTRATION NUMBER: 31,346

REGISTRATION NUMBER: 9606

TELEFROWER (516) 742-436

TELEFRA: (516) 742-436

TELEFRA:
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Gaps

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0; Indels
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  Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTES: SCULIY, SCOTT, MURPHY & PRESSER STREET: 400 GARDEN CITY PLAZA
CITY: GARDEN CITY PLAZA
CITY: GARDEN CITY
STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 11530-0299
COMPUTER READABLE FORM:
MEDIUW TYPE: PLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,551B
FILING APPLICATION DATA:
APPLICATION NUMBER: PM3864 (AU)
APPLICATION NUMBER: PM3864 (AU)
APPLICATION NUMBER: PM3864 (AU)
                                                                                                                                                                                                                                                                                                                       APPLICANT: Nicholas J. Deacon
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
CORRESPONDENCES: 841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       40.0%; Score 8; DB 1
100.0%; Pred. No. 31;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PW4002 (AU)
RILING DATE: 21-FEB-1994
APPLICATION NUMBER: PW4002 (AU)
FILING DATE: 21-FEB-1994
APPLICATION NUMBER: PN0284 (AU)
FILING DATE: 23-DEC-1994
APPLICATION NUMBER: US 08/388,353
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PN3021/95
FILING DATE: 17-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGIGLIO
NAME: FRANK S. DIGIGLIO
  Score 8; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 54
US-08-488-551B-834
; Sequence 834, Application US/08488551B
                                                                                                                                                                                                                                        Sequence 518, Application US/08488551B Patent No. 6015661
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ILELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4346
INFORMATION FOR SEQ ID NO: 518:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDENNESC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: FRANK S. DIGIGLIO
REFERENCE/DOCKET NUMBER: 96
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
  Query Match
Best Local Similarity 100.0%;
Matches 8; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100..
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                                                                                                                                      2 ATGGATGA 9
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US-08-488-551B-518
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                                                                                                                                                                                                                                                                                                       DB 1; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,551B
FLING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: PM3864 (AU)
FLING DATE: 14-FEB.1994
APPLICATION NUMBER: PM4002 (AU)
FILING DATE: 21-FEB.1994
APPLICATION NUMBER: PN0284 (AU)
FILING DATE: 21-FEB.1994
APPLICATION NUMBER: US 08/388,353
FILING DATE: 14-FEB.1994
APPLICATION NUMBER: PN0284 (AU)
FILING DATE: 17-FEB.1994
APPLICATION NUMBER: PN3021/95
FILING DATE: 17-MAY-1995
ATTONEY/AGENT INPORMATION:
NUMBER: DAMY C DATE: 10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Nicholas J. Deacon
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 841
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
STREET: 400 GARDEN CITY PLAZA
CITY: GARDEN CITY
                                                                                                                                                                                                                                                                                                    40.0%; Score 8; DB 1, 100.0%; Pred. No. 31; iive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-488-551B-517
; Sequence 517, Application US/08488551B
; Patent No. 6015661
REFERENCE DOCKET NUMBER: 9606
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEPKX: (516) 742-4366
INFORMATION FOR SEQ ID NO: 516:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ALLUMENT S. DIGIGLIO REFERENCE/DOCKET NUMBER: 96 TELECOMMUNICATION INFORMATION: TELEPHONE: (516) 742-4343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (516) 742-4366
INFORMATION FOR SEQ ID NO: 517:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: GARDEN CITY
STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 11530-0229
COMPUTER READABLE FORM:
MEDIUM TYPE: FLORPY di
                                                                                                                                                                                                                                                                                                                                                    8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                    13 ATGGATGA 20
                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 8; Conserv
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                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                         US-08-488-551B-516
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JOS-488-551B-836

JEGURERAL INFORMATION:

APPLICANT: Nicholas J. Deacon
APPLICANT: Nicholas J. Deacon
APPLICANT: Daie A. McPhee
APPLICANT: ADIESSE: 841
CORRESPONDENCE ADDRESS:
APPLICANT: N. S.A.
ZIP: 1153-0.239
COMPUTER: READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: Day Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PR3864 (AU)
FILING DATE: 14-FEB-1994
FILING DATE: 14-FEB-1994
FILING DATE: 14-FEB-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 10;
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: W3/08/488,551B
FILING DATE: 07-UN-1995
PRIOR APPLICATION NUMBER: PM4002 (AU)
FILING DATE: 14-FEB-1994
APPLICATION NUMBER: PM4002 (AU)
FILING DATE: 21-FEB-1994
APPLICATION NUMBER: PM4002 (AU)
FILING DATE: 11-FEB-1995
APPLICATION NUMBER: PM3021/95
FILING DATE: 17-FEB-1995
APPLICATION NUMBER: PN3021/95
FILING DATE: 17-MAY-1995
APPLICATION NUMBER: 9606Z
FILING DATE: 10-MAY-1995
APPLICATION NUMBER: 9606Z
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   40.0%; Score 8; DB 1; 100.0%; Pred. No. 31;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 8; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13 ATGGATGA 20
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0
                                                                                                                                                                                                                                                                      JORRESPEND...

ADDRESSE: ...
ADDRESSE: ...
ADDRESSE: ...
ADDRESSE: ...
CITY: GARDEN CITY
STATE: NEW YORK
COUNTRY: U.S.A.
ILSI-0.299
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Percentin Release #1.0, Version #1.25
GOFTWARE: Percentin Release #1.0, Version #1.25
GOFTWARE: PARCON TA: APPLICATION NUMBER: US/08/488,551B
FILING DATE: 14-FEB-1994
APPLICATION NUMBER: PR402 (AU)
FILING DATE: 21-FEB-1994
APPLICATION NUMBER: PR402 (AU)
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: US 08/388,353
FILING DATE: 17-MAY-1995
FILING DATE: 17-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGIGLIO
REFERENCE/DOCKET NUMBER: 9606Z
TELECHONE: (516) 742-4366

"MATION FOR SEC ID NO: 834:
"VCE CLARACTERISTICS:
"VCALUTERISTICS:
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"VCALUTERI
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Sequence 835, Application US/08488551B

Sequence 835, Application US/08488551B

Patent No. 015661

APPLICANT: Nicholas J. Deacon

APPLICANT: David Cooper

ITILE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1

NUMBER OF SEQUENCES: 841

CORRESPONDENCE ADDRESS:

ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER

STREET: 400 GARDEN CITY PLAZA

CITY: GARDEN CITY

CITY: GARDEN CITY

COUNTRY: U.S.A.
                                                    GENERAL INFORMATION:
APPLICANT: Nicholas J. Deacon
APPLICANT: Nicholas J. Deacon
APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 841
CORRESPONDENCE ADDRESSER: SCULLY, SCOTT, MURPHY & PRESSER
STREET: 400 GARDEN CITY FLAZA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. 31
Mismatches
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Best Local Similarity 100.
Matches 8; Conservative
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Gaps

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Length 10;
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                                                          Mismatches
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108-09-954-225-20
5 Sequence 20, Application US/09954225
7 Patent No. 6855498
             40.0%; Sc.
100.0%; Pre
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
                          Query Match
Best Local Similarity 100.
Matches 8; Conservative
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Matches 8; Conservative
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                                                                                               12 CATGGATG 19
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Best Local Similarity
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LENGTH: 11
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APPLICANT: Weissman, Sherman M.

APPLICANT: Wallur, Girish N.

APPLICANT: Walkarni, Prakash N.

APPLICANT: Kulkarni, Prakash

TITLE OF INVENTION: MULTIPLEX SELECTION TECHNIQUE FOR

TITLE OF INVENTION: IDENTIFYING PROTEIN-BINDING SITES FOR DNA-BINDING PROTEINS

NUMBER OF SEQUENCES: 50

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                 Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/Ms-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenu
CITY: Seattle
STATE: Washington
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/906,691
FILING DATE: 31-JUL-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 6066452tenburg Ph.D., Carol
REGISTRATION NUMBER: 39,317
REFERENCE/DOCKET NUMBER: 39,0336,403C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
Sequence 12, Application US/08906691
Patent No. 6066452
                                                                                                                                                                                                       TELEPHONE: ($16) 742-433
TELEFAX: ($16) 742-4366
INFORMATION FOR SEQ ID NO: 836:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13 ATGGATGA 20
                                                                                                                                                                                                                                                                                                                                                      ; MOLECULE TYPE: DNA
US-08-488-551B-836
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US-08-906-691-12/c
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i Sequence 206, Application US/09508753B

septicant: Applicant: Assubiro FURUICHI

APPLICANT: Was SHIBATA

APPLICANT: Hiroko FUNAKI

TITLE OF INVENTION: Method for Synthesizing cDNA from mRNA sample

TITLE OF INVENTION: Method for Synthesizing cDNA from mRNA Sample

CURRENT APPLICATION NUMBER: US/09/508,753B

CURRENT FILING DATE: 2000-06-16

PRIOR FILING DATE: 1997-09-18

NUMBER OF SEQ ID NOS: 472

SEQ ID NO 206

SEQ ID NO 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
  Gaps
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APPLICANT: HESTER, JEFREY D.
APPLICANT: HINDQUIST, ALAN
APPLICANT: LINDQUIST, ALAN
APPLICANT: SCHABER, FRANK W.
TITLE OF INVENTION: IN-SITU HYBRIDIZATION PROBES FOR THE DETECTION OF
TITLE OF INVENTION: MICROSPORIDIAL SPECIES
FILE REFERENCE: EPA-C132
CURRENT APPLICATION NUMBER: US/09/954,225
CURRENT FILING DATE: 2001-09-18
PRIOR FILING DATE: 2000-09-21
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PATENTING DATE: 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Description of Artificial Sequence: Primer US-09-508-753B-206
  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 8; DB 1; Length 11; Pred. No. 40;
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SEQ ID NO 203
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Gaps
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                                                                                                                                                                                                                            APPLICANT: Cheng, Yung-chi
APPLICANT: Lukhtanov, Eugeny A.
APPLICANT: Meyer Jr., Rich B.
APPLICANT: Meyer Jr., Rich B.
APPLICANT: Reed, Michael W.
APPLICANT: Reed, James H.
APPLICANT: Zhou, James H.
TITLE OF INVENTION: Modified Oligonucleotide Duplexes Having
TITLE OF SEQUENCES: 70
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 11;
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0; Indels
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SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/202,927

FILING DATE: 28-FEB-1994

CLASSIPICATION: 536

ATTONEY/AGENT INPORMATION:

NAME: 826/eres Gabor I.

REGISTRATION NUMBER: 28,675

REFERENCE/DOCKET NUMBER: 491-07-PA

TELEPHONE: (714) 854-5502

TELEPAK: (714) 854-4897

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 11 base pairs

LENGTH: 11 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       39.0%; Score 7.8; DB
81.8%; Pred. No. 44;
tive 0; Mismatches
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Klein & Szekeres
STREET: 4199 Campus Drive, Suite 700
CITY: Irvine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                     Sequence 4, Application US/08202927
Patent No. 5646126
GENERAL INFORMATION:
APPLICANT: Cheng, Yung-chi
APPLICANT: Lukhtanov, Eugenv A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: modified_base
LOCATION: 11
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6; Conservative
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STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: U.S.A.
ZIP: 92715
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION: 11
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
East Local 9; Conserva
                                      9 TCACATGG 16
                                                             3 UCACAUGG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Irvine
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-202-927-4
Matches
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1 CACACGGGTGA 11

RESULT 61 US-09-249-155A-61

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Pred. No. 44;
0; Mismatches 2; Indels
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Sequence 203, Application US/09249155A

Benefat No. 653a173

GENERAL INFORMATION:

APPLICANT: Heber-Katz, Ellen

TITLE OF INVENTION: Compositions and Methods for Wound

TITLE OF INVENTION: Healing

FILE REFERENCE: 00486.78503

CURRENT FILING DATE: 1999-00-18

PRIOR FILING DATE: 1999-00-18

PRIOR FILING DATE: 1999-00-18

PRIOR FILING DATE: 1998-08-26

PRIOR FILING DATE: 1998-08-26

PRIOR FILING DATE: 1998-08-26

PRIOR FILING DATE: 1998-09-28

NUMBER OF SEQ ID NOS: 346

SOFTWARE: FEALSEQ for Windows Version 4.0
                                                              TILLE OF INVENTION: Compositions and Methods for Wound;
TILLE OF INVENTION: Compositions and Methods for Wound;
TILLE OF INVENTION: Healing
TILLE OF INVENTION: Healing
TILLE OF INVENTION: Healing
TILLE PERFERENCE: 1094-02-12
CURRENT APPLICATION NUMBER: US 60/074,737
PRIOR PILLING DATE: 1998-02-13
PRIOR FILLING DATE: 1998-02-13
PRIOR FILLING DATE: 1998-09-08-26
PRIOR FILLING DATE: 1998-09-28
PRIOR APPLICATION NUMBER: US 60/102,051
PRIOR SEQ ID NOS: 346
SOFTWARE: FaetSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-00-351-657A-54/c
; Sequence 54 Application US/09351657A
; Patent No. 6545140
; GENERAL INFORMATION:
; APPLICANT: Harmon, Barry G.
; APPLICANT: Jackwood, Mark W.
Sequence 61, Application US/09249155A
Patent No. 6538173
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                39.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: Mus musculus
US-09-249-155A-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 9; Conserv
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/note= "Nucleotide 11 has a tail which comprises a cholesterol moiety which has its A ring linked to the 3-phosphate through a carbonyl group attached to the ring nitrogen of a moiety derived from 4-hydroxy-2-hydroxymethylpyrrolidine (see formula 3)."
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Patent No. 6071695
GENERAL INCORMATION:
GENERAL INCORMATION:
APPLICANT: OZEATNAK, ENGIN
APPLICANT: OPPERMANN, HERMANN
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING
TITLE OF INVENTION: MORPHOGENIC PROTEIN EXPRESSION
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 39.0%; Score 7.8; DB 1; Length 11; 81.8%; Pred. No. 44; ive 0; Mismatches 2; Indels
                                                                                                                                                            OPERATING SYSTEM: PC-DOS/MG-DOS
SOPTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/02419
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mod base= OTHER
                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/202,927
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 28-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Szekeres, Gabor L.
REGISTRATION NUMBER: 28,675
REFREENCE/POCKET NUMBER: 491-
TELECOMMUNICATION:
TELEPHONE: (714) 854-5502
                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (714) 854-4897
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
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45 SOUTH STREET
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Best Local Similarity 81.8
Matches 9; Conservative
                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
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OTHER INFORMATION:
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OTHER INFORMATION:
OTHER INFORMATION:
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OTHER INFORMATION:
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                                                  U.S.A.
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       CITY: Irvine
                                                COUNTRY: U
ZIP: 92715
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STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-486-343A-7
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APPLICANT: Van den Veyver, Ignatia B
APPLICANT: Van den Veyver, Ignatia B
APPLICANT: Van den Veyver, Ignatia B
APPLICANT: Amir, Ruthie
APPLICANT: Amir, Ruthie
TITLE OF INVENTION: Methods of Identifying Mutations in a Methyl-CPG-Binding Domain
TITLE OF INVENTION: CONTAINING Gene or Protein in Neurodevelopmental Disease and Tre
FILE REFERENCE: HO-PO1893US1/09905371
CURRENT APPLICATION NUMBER: US/09/657,013
FRIOR APPLICATION NUMBER: US 60/152,778
PRIOR FILING DATE: 1999-09-07
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APPLICANT: Brockus, Charles W.
TILLE OF INVENTION: DNA encoding an avian beta-defensin and uses thereof FILE REFERENCE: 757.007US1
CURRENT APPLICATION NUMBER: US/09/351,657A
CURRENT APPLICATION NUMBER: US 60/092,668
PRIOR PILING DATE: 1998-07-13
PRIOR FILING DATE: 1989-07-14
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APPLICANT: Lukhtanov, Eugeny A.
APPLICANT: Meyer Jr., Rich B.
APPLICANT: Pai, Balakrishna S.
APPLICANT: Reed, Michael W.
APPLICANT: Zhou, James H.
TITLE OF INVENTION: Modified Oligonucleotide Duplexes Having
TITLE OF INVENTION: Anticancer Activity
NUMBER OF SEQUENCES: 70
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klein & Szekeres
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 7.8; DB 1; Length 11;
                                                                                                                                                                                                                                                                                                                                                          DB 1; Length 11;
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0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                        Score 7.8;
Pred. No. 4
                                                                                                                                                              NUMBER OF SEQ ID NOS: 54
SOFTHARRE: FastSEQ for Windows Version 4.0
SEQ ID NO 54
LENGTH: 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4, Application PC/TUS9502419
SENERAL INFORMATION:
APPLICANT: Cheng, Yung-chi
APPLICANT: Lukhtanov, Eugeny A.
APPLICANT: Meyer Jr., Rich B.
APPLICANT: Meyer Jr., Rich B.
APPLICANT: Reed, Michael W.
APPLICANT: Reed, Michael W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 98, Application US/09657013; Patent No. 6709817
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SOFTWARE: Patentin version 3.1
SEQ ID NO 98
EMOTH: 11
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Best Local Similarity 81.8
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 81.8
Matches 9; Conservative
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1 CTTCATGGTAA 11
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                                                                                                                                                                                                                                                          ; TYPE: RNA
; ORGANISM: Gallus gallus
US-09-351-657A-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11 CATGGTTTCAT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-657-013-98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCT-US95-02419-4
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OTHER INFORMATION: Description of Artificial Sequence: example target OTHER INFORMATION: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2496, Application US/09990186
Patent No. 7030215
GENERAL INFORMATION:
APPLICANT: LIU, Qiang
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.21 / S11-US3
CURRENT FILING DATE: 2001-11-20
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
                         APPLICANT: LIU, Qiang
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLECTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.21 / 811-US3
CURRENT APPLICATION NUMBER: US/09/990,186
CURRENT FILING DATE: 2001-11-20
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
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TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR MODULATING
TITLE OF INVENTION: MORPHOGEN EXPRESSION
WITHER OF SEQUENCES: 7
CORRESPONDENCES: 7
CORRESPONDENCES: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES
ADDRESSEE: INC.
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       37.0%; Score 7.4; DB 1; Length 9; 88.9%; Pred. No. 3.4e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
37.0%; Score 7.4; DB 1; Length 9;
Best Local Similarity 88.9%; Pred. No. 3.4e+02;
Matches 8; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 88.9
Matches 8; Conservative
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US-09-990-186-2496/c
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LENGTH: 9
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PCT-US95-07349-7
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| Bacent No. 6746845
| Patent No. 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
LOCATION: 1.9
CTHER INFORMATION: /note= "HUMAN FTZ BINDING SITE"
US-08-486-243A-7
                                                                                                              ATTORNEY AGENT INFORMATION:
NAME: PITCHER, Edmund R
REGISTRATION UNDRER: 27, 829
REFERENCE/DOCKET NUMBER: CRP-091CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)-248-7000
TELEPHONE: (617)-248-7100
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                         APPLICATION NUMBER: US/08/486,343A FILING DATE: 07-JUN-1995 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 Sequence 2495, Application US/09990186 Patent No. 7030215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
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Best Local Similarity 88.9
Matches 8; Conservative
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Best Local Similarity 88.9
Matches 8; Conservative
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 9 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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ORGANISM: Homo sapiens
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Sequence 3, Application US/08486955A

Sequence 3, Application US/08486955A

Fatent No. 5747299

APPLICANT: BLOOM, Debra

APPLICANT: BLOOM, Debra

TITLE OF INVENTION: Anergy Genes

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert

STREET: Four Embarcadero Center, Suite 3400

CITY: San Francisco
                                                                                                                                                                                Query Match 37.0%; Score 7.4; DB 1; Length 10; Best Local Similarity 88.9%; Pred. No. 43; Matches 8; Conservative 0; Mismatches 1; Indels
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 7.4; DB Pred. No. 43; 0; Mismatches
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPLOGY: unknown
SCHALLE TYPE: TAF-1 binding motif
US-07-651-710A-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,955A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-477-396A-16/c
; Sequence 16, Application US/08477396A
; Patent No. 5872235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: Rowland, Bertram I.
REGISTRATION NUMBER: 20015
REFRENCE/DOCKET NUMBER: A59
TELEPHONE: 415-781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          37.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 415-398-3249
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                     8 GTCACATGG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10 CATGGATCA 2
                                                                                                                                                                                                                                                                                                             10 GTCACGTGG 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 8, Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Sar
STATE: CA
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-486-955A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 73
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION: 1..9 // note= "HUMAN TFZ BINDING SITE"
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Sequence 39, Application US/07651710A

Sequence 39, Application US/07651710A

Patent No. 5362864

TITLE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

NUMBER OF SEQUENCES:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

CONTRY: US.A.

ZIP: 10036-Z111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: PatentIn Release #1.0, Version #1.25

CURSENTION NUMBER: US/07/651,710A

FILING APPLICATION DATA:

STATE: US/07/651,710A

FILING APPLICATION: BOUTS:

CURSIENT APPLICATION NUMBER: US/07/651,710A

FILING APPLICATION: BOUTS: US/07/651,710A
COMPOTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 7.4; DB 1;
Pred. No. 3.4e+02;
0; Mismatches 1
                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-091PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508) -435-9001
TELEFAX: (508) -435-092
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/938,021
FILING DATE: 28-AUG-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Misrock, S. Leelie
REGISTRATION NUMBER: 30,742
REFERENCE, POCKET NUMBER: 35
IELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            37.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 7.0
Best Local Similarity 88.5
Matches 8; Conservative
                                                                                                                                                                                                                                                                     KELLEY, ROBIN D
                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 9 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 TCATGGTCA 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCT-US95-07349-7
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Gaps

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New York
United States
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Best Local Similarity 88.5
Matches 8; Conservative
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 TCATGGTCA 11
Garden City
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
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                APPLICANT: Chen, Lan Bo
APPLICANT: Bao, Shideng
APPLICANT: Bao, Shideng
APPLICANT: Liu, Yuan
TITLE OF INVENTION: A NOVEL TUMOR MARKER AND NOVEL METHOD OF
TITLE OF INVENTION: ISOLATING SAME
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
STREET: Ten Post Office Square
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1; Length 10;
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MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,396A
FLING DATE: 28-MAY-1993
APPLICATION NUMBER: US 08/448,388
FLING DATE: 28-MAY-1996
PILING DATE: 28-MAY-1996
PILING DATE: 28-MAY-1996
PILING DATE: 31-CT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Helne, Holliday C.
REGISTRATION NUMBER: BCT/US94/12502
FILING DATE: 31-CT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Helne, Holliday C.
REGISTRATION NUMBER: 342.2290
TELERPHONE: (617) A51.2393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :: Scully, Scott, Murphy & Presser
400 Garden City Plaza
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 37.0%; Score 7.4; DE Best Local Similarity 88.9%; Pred. No. 43; Matches 8; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (617) 451-0313
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                          CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gingle
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STRANDEDNESS: sing
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE:
HYPOTHETICAL: NC
ANTI-SENSE: NO
US-08-477-396A-16
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STATE: New YORK

COMPTRATION DIAGRATE

COMPTRATION DIAGRATE

COMPTRATION DIAGRATE

COMPTRATION OF COMPANIA

COMPTRATION NUMBER: 05.056/NS-DOS

COMPANIA SYSTEM: PC-DOS/NS-DOS

ATTORNY-AGENT INTOWNATION NUMBER: 31.346

REGISTRATION NUMBER: 31.346

RESULT 75

REGISTRATION NUMBER: 13.346

REGISTRATION NUMBER: 31.346

REGISTRATION NUMBER: 33.346

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Gaps

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Indels

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Mismatches
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FILING DATE: 14-FEB-1994
APPLICATION NUMBER: PM4002 (AU)
FILING DATE: 21-FEB-1994
APPLICATION NUMBER: PN0284 (AU)
FILING DATE: 23-DEC-1994
APPLICATION NUMBER: US 08/388,353
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PN3021/95
FILING DATE: 17-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGIGLIO
REFERENCE/DOCKET NUMBER: 9606Z
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 840, Application US/08488551B Patent No. 6015661
GENERAL INFORMATION:
                                                                                                                                                                                                                                                  US-08-488-551B-524/c
; Sequence 524, Application US/08488551B
; Patent No. 6015661
; GENERAL INFORMAȚION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (516) 742-4343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (516) 742-4366
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 88.9
Matches 8; Conservative
   8; Conservative
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                                                              3 TCATGGTCA 11
                                                                                                                            10 TCAGGGTCA 2
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   Matches
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                                                                                                                                                                                                                                                                                                                                              Query Match 37.0%; Score 7.4; DB 1; Length 10; Best Local Similarity 88.9%; Pred. No. 43; Matches 8; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-488-5118-522/C

| Sequence 522, Application US/08488551B
| Patent No. 6015661
| GENERAL INFORMATION:
| APPLICANT: Dale A. McPhee
| TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
| NUMBER OF SEQUENCES: 841
| CORRESPONDENCE ADDRESS:
| STREET: 400 GARDEN CITY PLAZA
| CITY: GARDEN CITY PLAZA
| CITY: GARDEN CITY PLAZA
| STREET: NOW YORK
| COUNTRY: U.S.A. |
| ZIP: 11530-0299
| COMPUTER: REAABLE FORM: MEDIUM TYPE: Floppy disk
| COMPUTER: IBM PC Compatible |
| COMPATION DATE: US/08/488,551B |
| FILING DATE: 14-FEB-1994 |
| PILING DATE: 14-FEB-1994 |
| PILING DATE: 14-FEB-1994 |
| PILING DATE: 17-FEB-1994 |
| PILIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 21-FEB-1994
APPLICATION NUMBER: PN0284 (AU)
FILING DATE: 23-DEC-1994
APPLICATION NUMBER: US 08/388,353
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PN3021/95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PN3021/95
FILING DATE: 17-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGIGLIO
REFERENCE/DOCKET NUMBER: 96065
TELECOMMUNICATION INFORMATION:
                                                                 524:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (516) 742-4366
INFORMATION FOR SEQ ID NO: 522:
                                                                                                                                                                                                                                            , MOLECULE TYPE: DNA (genomic) US-08-388-353-524
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          37.0%;
88.9%;
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TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                      LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 CTCATGGTC 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-488-551B-522/c
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MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE:
TELEFAX: (
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                                                                                                                                                                                                                   STATE: USA.

COUNTRY: U.S.A.

ZIP: 11530-0299

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/488,551B

FILING DATE: 07-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PM3864 (AU)
APPLICANT: Nicholas J. Deacon
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
CORRESPONDENCES: 841
                                                                                                                                         ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER STREET: 400 GARDEN CITY PLAZA CITY: GARDEN CITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  37.0%; Score 7.4; 88.9%; Pred. No. 43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 10;
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
SOFTWARE: PastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/075,215A
FILING DATE: 11-MAY-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
FILING DATE:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Ctt, France
REGISTRATION NUMBER: 37,037
REGISTRATION NUMBER: 37,037
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION PROPERED INFORMATION PROPERED 
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37.0%; Score 7.4; DB 1;
Best Local Similarity 88.9%; Pred. No. 43;
Matches 8; Conservative 0. Ministeries
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APPLICANT: Vogelstein, Bert
APPLICANT: Rinzler, Kenneth
APPLICANT: Polyak, Kornelia
FILE CANT: Polyak, Kornelia
FILE REFERENCE: 1107.75357
CURRENT APPLICATION NUMBER: US/09/154,750A
CURRENT APPLICATION NUMBER: 60/059,153
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1998-09-17
PRIOR FILING DATE: 1998-03-30
NUMBER: FASELSEQ for Windows Version 3.0
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'Sequence 6, Application US/09154750A

'Patent No. 6412640

'GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Best Local Similarity 88.9
Matches 8; Conservative
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Pred. No. 43;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                            CITY: GARDEN CITY
STATE: NEW YORK
CCUNTRY: U.S.A.
ZIP: 11530-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: FORDAY disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION DATA: 08/08/488,551B
FILING DATE: 07-UNA-1995
RILING DATE: 17-WAY-1995
FILING DATE: 17-WAY-1995
APPLICATION NUMBER: PN0284 (AU)
FILING DATE: 17-WAY-1995
ATORNEY/AGENT INFORMATION:
TELEPHONE: (516) 742-4343
TELEPHONE: (516) 742-4366
INFORMATION POR SEQ ID NO: 840:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPANDEDRESS: single
TYPANDEDRESS: single
          APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 841
CORRESPONDENCE S.S.
ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
STREET: 400 GARDEN CITY PLAZA
CITY: GARDEN CITY
STATE: U.S.A.
COUNTRY: U.S.A.
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Sequence 10, Application US/09075215A

PRECENT NO. 6054710M:
GENERAL INFORMATION:
APPLICANT: JOLICOEUR, Paul
APPLICANT: JOLICOEUR, Paul
TILLE OF INVENTION: THERAPEUTIC USES THEREOF
INVERSE OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Swabey Ogilvy Renault
STREET: Suite 1600, 1991 McGill College
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    37.0%;
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Best Local Similarity 88.9'
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ZIP: H3A 2Y3
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 TCATGGTCA 11
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STATE: QC
COUNTRY: Canada
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-488-551B-840
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Gaps

Gaps

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APPLICANT: DERVAN, Peter
APPLICANT: WURTZ, Nicholas
APPLICANT: WURTZ, Nicholas
APPLICANT: CHANG, Aileen
TITLE OF INVENTION: POLYAMIDE-ALKYLATOR CONJUGATES & RELATED PRODUCTS & METHODS
FILE REFERENCE: GENESOFT09/772315
CURRENT APPLICATION NUMBER: US/09/772,315
CURRENT FILING DATE: 2001-01-26
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PATENTIN version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 209, Application US/09508753B

Patent No. 6544736

GENERAL INFORMATION:
APPLICANT: Akira SHIMANOTO
APPLICANT: Yasuhiro FURUICHI
APPLICANT: Yasuhiro FURUICHI
APPLICANT: Hiroko FUNARI
APPLICANT: Hiroko FUNARI
APPLICANT: Hiroko FUNARI
APPLICANT: Masanori WATAHIKI
APPLICANT: Masanori WATAHIKI
TITLE OF INVENTION: Method for Synthesizing CDNA from mRNA sample
FILE REFERENCE: 00162/HG
CURRENT APPLICATION NUMBER: US/09/508,753B
CURRENT APPLICATION NUMBER: US/09/508,753B
CURRENT APPLICATION NUMBER: US/09/508,753B
SPIOR FILING DATE: 1997-09-18

NUMBER OF SEQ ID NOS: 472

LENGTH: 10
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                                                                                                                                                                              FEATURE:
COTHER INFORMATION: Description of Artificial Sequence: Primer US-09-508-753B-118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match 37.0%; Score 7.4; DB 1; Length 10; Best Local Similarity 88.9%; Pred. No. 43; Matches 8; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                         Query Match 37.0%; Score 7.4; DB 1; Length 10; Best Local Similarity 88.9%; Pred. No. 43; Matches 8; Conservative 0; Mismatches 1; Indels
PRIOR APPLICATION NUMBER: JP 9/270324
PRIOR FILING DATE: 1997-09-18
NUMBER OF SEQ ID NOS: 472
SEQ ID NO 118
LENGTH: 10
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-772-315-16
; Sequence 16, Application US/09772315
; Patent No. 6559125
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-508-753B-209/c
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LENGTH: 10
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             APPLICANT: Carman, Mark
TITLE OF INVENTION: METHODS AND COMPOSITION FOR INHIBITION OF VIRAL REPLICATION
FILE REFERENCE: 10624-089-999
CURRENT APPLICATION NUMBER: US/07/868,539C
CURRENT FILING DATE: 1992-04-14
NUMBER OF SEC ID NOS: 20
SOFTWARE: Patentin version 3.0
SEC ID NOS: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INCHAILOR:
APPLICANT: AKITA SHIMAMOTO
APPLICANT: Yasuhiro FURUICHI
APPLICANT: Yuko SHIBATA
APPLICANT: Tuko SHIBATA
APPLICANT: Hiroko FUNAKI
APPLICANT: Hij OHARA
APPLICANT: Hij OHARA
APPLICANT: Hij OHARA
APPLICANT: Hold Gor Synthesizing CDNA from mRNA sample
FILE REFERENCE: 00162/46
CURRENT APPLICATION NUMBER: US/09/508,753B
CURRENT FILING DATE: 2000-06-16
PRIOR APPLICATION NUMBER: UP 9/270324
PRIOR APPLICATION NUMBER: UP 9/270324
PRIOR APPLICATION NUMBER: UP 9/270324
SEQ ID NOS: 472
: SEQ ID NOS: 472
: LENGTH: 10
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APPLICANT: Eiji OHARA
APPLICANT: Eiji OHARA
TITLE OF INVENTION: Method for Synthesizing cDNA from mRNA sample
FILE REFERENCE: 00162/HG
CURRENT APPLICATION NWBER: US/09/508,753B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         37.0%; Score 7.4; DB 1; Length 10; 88.9%; Pred. No. 43; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                       37.0%; Score 7.4; DB 1; Length 10; 88.9%; Pred. No. 43; tive 0; Mismatches 1; Indels
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Patent No. 6544736
GENERAL INPORMATION:
APPLICANT: Akira SHIMAMOTO
APPLICANT: Yasuhiro FURUICHI
APPLICANT: Yuko SHIBATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 34, Application US/09508753B Patent No. 6544736 GENERAL INFORMATION:
                                                                                                                                                                                                                                                         ; TYPE: DNA
; ORGANISM: herpes simplex virus
US-07-868-539C-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 88.9
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 88.9
Matches 8; Conservative
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Sequence 22, Application US/10034350A
Patent No. 6800442
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Zauderer, Maurice
TILLE OF INVENTION: Methods of Selecting Polynucleotides Encoding Antigens
FILE REFERENCE: 1821.0010002
CURRENT APPLICATION NUMBER: US 08/935,377
PRIOR FILING DATE: 1997-09-22
PRIOR FILING DATE: 1997-09-22
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn version 3.1
                        Gaps
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Patent No. 6872518
GENERAL INFORMATION:
APPLICANT: Zauderer, Maurice
TITLE OF INVENTION: T Cells Specific for Target Antigens and
TITLE OF INVENTION: Vaccines Based Thereon
NUMBER OF SEQUENCES: 37
CORRESPONDENCES. 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            37.0%; Score 7.4; DB 1; Length 10; 88.9%; Pred. No. 43; tive 0; Mismatches 1; Indels
                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C STREET: 1100 New York Avenue, N.W., Suite 600 CITY: Washington STATE: D. COUNTRY: USA ZIP: 20005
ZIP: 20005
ZONTER REALDBLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/935,377
FILING DATE: 22-SEP-1997
CLASSIFICATION: 424
ATTOKNEY/AGENT INFORMATION:
NAME: Steffe, Eric K
REGISTRATION NUMBER: 36,688
REGISTRATION NUMBER: 36,688
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                           7;
  Pred. No. 43;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) OTHER INFORMATION: Synthetic Construct US-10-034-350A-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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  Best Local Similarity 88.9%;
Matches 8; Conservative
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Best Local Similarity 88.9
Matches 8; Conservative
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                                                                              12 CATGGATGA 20
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LENGTH: 10
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1 Sequence 22, Application US/09822250A

1 Sequence 22, Application US/09822250A

2 Sequence 22, Application US/09822250A

2 Sequence 22, Application US/09822250A

2 Referent No. 6706477

2 TILLE OF INVENTION: Methods for Producing Polynucleotide Libraries in Vaccinia Virus

7 TILLE OF INVENTION: Methods for Producing Polynucleotide Libraries in Vaccinia Virus

7 TILLE REPERBURE: 1821.001001

7 CURRENT APPLICATION NUMBER: US/09/822,250A

7 CURRENT PALICATION NUMBER: US 08/935,377

8 PRIOR FILING DATE: 1997-09-22

8 NUMBER OF SEQ ID NOS: 38

8 SOFTWARE: Patentin Version 3.2

1 SEQ ID NO 22

1 TYPE: DNA

9 ORGANISM: Artificial Sequence
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    FEATURE:
    NAME/KEY: misc_feature
    OTHER INFORMATION: Description of Artificial Sequence: Polyamide-Alkylator
    OTHER INFORMATION: Conjugate Target Sequence
    US-09-772-315-16

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OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-377-497-53
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37.0%; Score 7.4; DB 1; Length 10;
Best Local Similarity 88.9%; Pred, No. 43;
Matches 8; Conservative 0; Mismatches 1; Indels
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37.0%; Score 7.4; DB 1; Length 10;
Best Local Similarity 88.9%; Pred. No. 43;
Matches 8; Conservative 0; Mismatches 1; Indels
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GRNERAL INFORMATION:
GRNERAL INFORMATION:
GRNERAL INFORMATION:
GRNERAL INFORMATION:
APPLICANT: WOSHIKAWA, YOSHIE
APPLICANT: MYSAI, HIROYUKI
APPLICANT: MADA, KIYOZO
APPLICANT: ASADA, KIYOZO
APPLICANT: APPLICATION NUMBER: US/09/377,497
CURRENT FILING DATE: 1999-08-20
NUMBER OF SEQ ID NOS: 70
SEQ ID NO 53
LENGTH: 10
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US-09-822-250A-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                     5 ATGGTCACA 13
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US-09-377-497-53/c
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TYPE: DNA ORGANISM: Artificial Sequence
              TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 88.9%;
Matches 8; Conservative
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Best Local Similarity 88.3.
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Best Local Similarity 88.9
Matches 8; Conservative
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LENGTH: 10
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                                                    FEATURE:
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Fatent No. 6916610
Fatent No. 6916610
GENERAL INFORMATION:
APPLICANT: WANG, SAN MING
APPLICANT: CHEN, JANET D.
TITLE OF INVENTION: FROM SAGE TAGS FOR GENE IDENTIFICATION
FILE REFERENCE: ARCD:343US
CURRENT APPLICATION NUMBER: US/09/748,710
FILE REFERENCE: ARCD:343US
CURRENT APPLICATION NUMBER: 60/174,391
PRIOR APPLICATION NUMBER: 60/173,617
PRIOR APPLICATION NUMBER: 60/173,617
PRIOR APPLICATION NUMBER: 60/173,617
PRIOR APPLICATION NUMBER: 60/173,617
PRIOR FILING DATE: 1999-12-29
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PatentIn Ver: 2.1
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                                                                                                                                                                          Gaps
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APPLICANT: WANG, SAN MING
APPLICANT: CHEN, JIANJAN
APPLICANT: CHEN, JIANET D.
TITLE OF INVENTION: METHOD FOR GENERATION OF LONGER CDNA FRAGMENTS
TITLE OF INVENTION: FROM SAGE TAGS FOR GENE IDENTIFICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) OTHER INFORMATION: Description of Artificial Sequence: Synthetic; OTHER INFORMATION: Primer US-09-748-710-16
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                                                                                                                               37.0%; Score 7.4; DB 1; Length 10; 88.9%; Pred. No. 43; tive 0; Mismatches 1; Indels
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CURRENT APPLICATION NUMBER: US/09/748,710
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/174,391
PRIOR FILING DATE: 2000-01-03
PRIOR FILING DATE: 1999-12-29
NUMBER: OF SEQ ID NOS: 35
SEQ ID NO 16
LENGTH: 10
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                                                                                                                                                                        8; Conservative
LENGTH: 10 base pairs
                                    single
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                  TYPE: nucleic acid
STRANDEDNESS: singl
TOPOLOGY: linear
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Best Local Similarity
Matches 8; Conserva
                                                                          MOLECULE TYPE: CDNA
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Best Local Similarity
Matches 8; Conserva
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US-09-821-694A-26/C
US-09-821-694A-26/C
Sequence 26, Application US/09821694A
Patent No. 6949340
GENERAL INFORMATION:
TITLE OF INVENTION: HYBELD AND SEQUENCES FOR DETERMINATE NUCLEIC ACID
TITLE OF INVENTION: HYBELDIZATION
TITLE OF INVENTION: HYBELDIZATION
TITLE OF INVENTION: HYBELDIZATION
TITLE OF INVENTION: HYBELDIZATION
CURRENT APPLICATION UNMERR: US/09/821,694A
CURRENT APPLICATION UNMERR: 2001-03-28
NUMBER OF SEQ ID NOS: 50
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 26
LENGTH: 10
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Sequence 30, Application US/09821694A

Sequence 30, Application US/09821694A

Sequence 30, Application US/09821694A

GENERAL INFORMATION:
TITLE OF INVENTION: HYBRIDIZATION
TITLE OF INVENTION: HYBRIDIZATION
FILE REFERENCE: 0450-0001

CURRENT APPLICATION NUMBER: US/09/821,694A

CURRENT FILING DATE: 2001-03-28

NUMBER OF SEQ ID NOS: 50

SOFTWARE: PatentIn Ver. 2.1
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CTHER INFORMATION: Description of Artificial Sequence: Synthetic CTHER INFORMATION: Primer US-09-748-710-20
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US-09-821-694A-26
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Pred. No. 43;
0; Mismatches 1; Indels
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                                                                                                    Length 10;
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                                                                                                    Score 7.4; DB 1;
Pred. No. 43;
                                                                                                                                                        0; Mismatches
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88.9%;
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Gaps

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Sequence 18, Application US/0885954
Facent No. 6083695
GENERAL INFORMATION:
APPLICANT: Hardin, Susan H.
APPLICANT: Hardin, Paul B.
TITLE OF INVENTION: Design and Optimized Primer Library for ITTLE OF INVENTION: Gene Sequencing and Method Thereof NUMBER OF SURVENCE ADDRESS:
ADDRESSED: Fulbright & Jaworski L.L.P.
                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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                                                                                                                                                                                                                      35.0%; Score 7; DB 1; Length 8; 100.0%; Pred. No. 3.8e+02; Live 0; Mismatches 0; Indeli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSER: LA ADDRESS: ADDRESSER: L. L. P.
STREET: 1301 McKinney, Suite 5100
CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77010-3095
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln NPRelease #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,954
                                                                             MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotide"
HYPOTHETICAL: YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTING DATE INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5900
TELECOMMUNICATION INFORMATION:
TELEFAM: 713/651-5325
TELEFAM: 713/651-536
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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/desc = "oligonucl
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APPLICATION NUMBER: 08/632,782
FILING DATE:
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Best Local Similarity 100.
Matches 7; Conservative
LENGTH: 8 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Best Local Similarity
Matches 7; Conserva
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CLASSIFICATION:
                                                                                                                                                       ; ANTI-SENSE: YES
US-08-859-954-5
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DESCRIPTION:
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US-08-859-954-18
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1 Sequence 5, Application US/08859954
5 Sequence 5, Application US/08859954
6 Patent No. 6083695
7 GENERAL INFORMATION:
APPLICANT: Hardin, Susan H.
APPLICANT: Hardin, Ramin
APPLICANT: Hardin, Paul E.
TILE OF INVENTION: Design and Optimized Primer Library for TITLE OF INVENTION: Gene Sequencing and Method Thereof
NUMBER OF SEQUENCES: 566
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright & Jaworski L.L.P.
STREET: 1301 McKinney, Suite 5100
CITY: Houston
                                                                                                             RESULT 94
528645-14
528645-14
528645-14
5286645
7PATON SERON, MICHAEL S.,GOLDSTEIN, JOSEPH L.;RUSSELL,
7DAVID W.;SUDHOF, THOMAS C.
7ITLE OF INVENTION: STEROL REGULATORY ELEMENTS
7 NUMBER OF SEQUENCES: 42
7 CURRENT APPLICATION DATA:
7 FILING DATE: 20-007-189
7 FILING DATE: 30-00-189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               37.0%; Score 7.4; DB 1; Length 10; 88.9%; Pred. No. 43; tive 0; Mismatches 1; Indels
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STATE: TOWNS.

CONTRY: U.S.A.

ZIP: 771010-3195

COMPUTER: Eloppy disk

COMPUTER: Eloppy disk

COMPUTER: Parent: PC-DOS/MS-DOS

SOFTWARE: Patent: PC-DOS/MS-DOS

SOFTWARE: Patent: Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/859,954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGIGTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5900
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/632,782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 88.9
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
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                       11 ACATGGATG 19
                                                                 1 AGATGGATG 9
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Gaps

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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
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TYPE: nucleic acid
STRANDEDNESS: single
  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14 TGGATGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7 recarea 1
                     ADDRESSEE: Fulb
STREET: 1301 Mc
CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
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                                                                                         US-08-859-954-366/c
; Sequence 366, Application US/0885954
; Patent No. 6083659;
GENERAL INFORMATION:
; APPLICANT: Hardin, Susan H.
; APPLICANT: Hardin, Ramin
; APPLICANT: Hardin, Paul E.
; TITLE OF INVENTION: Gene Sequencing and Method Thereof;
; NUMBER OF SEQUENCES: 566
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fulbright & Jaworski L.L.P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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Patent No. 6083695
GENERAL INFORMATION:
APPLICANT: Hardin, Susan H.
APPLICANT: Hardin, Ramin
APPLICANT: Hardin, Paul E.
TITLE OF INVENTION: Design and Optimized Primer Library for TITLE OF INVENTION: Gene Sequencing and Method Thereof NUMBER OF SEQUENCES: 566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                35.0%; Score 7; DB 1; Length 8; 100.0%; Pred. No. 3.8e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "oligonucleotide"
                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Fulbright & Jaworski L.L.P. STREET: 1301 McKinney, Suite 5100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/632,782
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5900
TELECOMMUNICATION INFORMATION:
TELECHONE: 713/651-5325
                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC_DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 713/651-5246
INFORMATION FOR SEQ ID NO: 366:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                   CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77010-3095
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1 GTCACAT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
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US-08-859-954-366
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TITLE OF INVENTION: NUCLEIC ACID CATALYSTS WITH ENDONUCLEASE ACTIVITY
FILE REPERENCE: 236/200-US
CURRENT APPLICATION NUMBER: US/09/159,274
CURRENT FILING DATE: 1998-09-22
EARLIER PAPLICATION NUMBER: US 60/059,473
EARLIER PILING DATE: 1997-09-22
NUMBER OF SEQ ID NOS: 38
SEGTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 31
LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 8;
                                                                     STATE: Texas

COUNTRY: U.S.A.
ZIP: 77010-3095
COMPUTER READABLE FORM:
MEDIUM TYPE: RIOPPY disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Synthesized nucleic acid molecule US-09-159-274-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         35.0%; Score 7; DB 1; Le 100.0%; Pred. No. 3.8e+02; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotide"
HYPOTHETICAL: YES
E: Fulbright & Jaworski L.L.P. 1301 McKinney, Suite 5100
                                                                                                                                                                                                                                                                                                                 FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/632,782
FILING DATE:
ATTORNEY,AGENT INFORMATION:
REGISTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5900
TELECHMUNICATION INFORMATION:
TELEPHONE: 713/651-5225
TELEFAX: 713/651-5225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 31, Application US/09159274 Patent No. 6127173
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INFORMATION FOR SEQ ID NO: 561:
SEQUENCE CHARACTERISTICS:
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CTHER INFORMATION: Description of Artificial Sequence: Substrate Nucleic Acid for SI OTHER INFORMATION: NO: 1197
US-09-479-005A-1198
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity
FILE REFERENCE: MBH800-884-C
CURRENT APPLICATION NUMBER: US/09/479,005A
CURRENT FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: US 09/444,209
PRIOR PLING DATE: 1999-11-19
PRIOR PLING DATE: 1999-11-19
PRIOR PLING DATE: 1999-03-22
PRIOR PLING DATE: 1997-03-22
NUMBER OF SEQ ID NOS: 1208
SOFTWARE: Patentin version 3.0
EENGTH: 9
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APPLICANT: Vogelstein, Bert
TITLE OF INVENTION: METHOD FOR SERIAL ANLAYSIS OF GENE EXPRESSION
FILE REFERENCE: 001107.00242
CURRENT APPLICATION NUMBER: US/10/096,596
CURRENT FILING DATE: 1995-03-14
PRIOR FILING DATE: 1995-09-12
PRIOR FILING DATE: 1995-10-18
PRIOR FILING DATE: 1995-10-18
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin version 3.1
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0. 3.4e+02;
cches 0; Indela
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100.0%; Pred. No. 3.4
tive 0; Mismatches
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Patent No. 6746845
GENERAL INFORMATION:
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Sequence 40, Application US/10209059

Patent No. 6930225

; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                          APPLICANT: KRSMANOVIC, VELIBOR
COSIC, IRENA
BIQUARD, JEAN-MICHEL
HEARN, MILTON TW
TITLE OF INVENTION: PEPTIDES IMMUNOLOGICALLY RELATED TO
PROTEINS OF A VIRAL AGENT AND THEIR BIOLOGICAL APPLICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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MEDIUM TYPE: FIOPDY disk

MEDIUM TYPE: FIOPDY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/290,736C

FILING DATE: 16-No. 6294174-1994

CLASSIFICATION NUMBER: US/08/290,736C

FILING DATE: 19-FEB-1993

APPLICATION NUMBER: PCT/FR93/00171

FILING DATE: 19-FEB-1993

APPLICATION NUMBER: FR92/01883

FILING DATE: 19-FEB-1992

ATTORNEY/AGENT INFORMATION:

NAME: SADOFF, B. 1.

REGISTRATION NUMBER: 36663

TELECOMMUNICATION INFORMATION:

MEFERRENCE/DOCKET NUMBER: 1721-3

TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indela
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                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSER: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION: 1..9 SEQUENCE DESCRIPTION: SEQ ID NO: 12: US-08-290-736C-12
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; Sequence 1198, Application US/09479005A

; Patent No. 6656731

; GENERAL INFORMATION:
                                                                                                                          RESULT 100
US-08-290-736C-12/C
1 Sequence 12, Application US/08290736C
Patent No. 6294.74
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: 7038164000
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MOLECULE TYPE: genomic DNA
HYPOTHETICAL: YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGIH: 9 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 7038164100
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc_RNA LOCATION: 1..9
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12 CATGGAT 18
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         CCTCATG 7
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SEQUENCE CHARACTERISTICS
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OTHER INFORMATION: Description of Artificial Sequence: example target
OTHER INFORMATION: DNA
US-09-990-186-2103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REPERENCE: 8125-0011.21 / S11-US3
CURRENT APPLICATION NUMBER: US/09/990,186
CURRENT FILING DATE: 2001-11-20
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 2103
LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-07-47-334-2
; Sequence 2, Application US/07874334
; Sequence 2, Application US/07874334
; Patent No. 5495009
; GENERAL INFORMATION:
APPLICANT: MATTEUCCI, MARK
APPLICANT: JONES, BOB
TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGS
TITLE OF INVENTION: THIOFORMACETAL LINKAGES
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
    TITLE OF INVENTION: Maize Cellulose Synthases and Uses; TITLE OF INVENTION: Maize Cellulose Synthases and Uses; TITLE OF INVENTION: Thereof; FILE REFERENCE: 0864R2; CURRENT APPLICATION NUMBER: US/10/209,059; CURRENT FILING DATE: 2002-07-31; PRIOR APPLICATION NUMBER: 60/096,822; PRIOR PELICATION NUMBER: 60/371,383; PRIOR FILING DATE: 1998-08-06; PRIOR FILING DATE: 1999-08-06; PRIOR FILING DATE: 1999-08-06; PRIOR FILING DATE: 2000-04-14; NUMBER OF SEQ ID NOS: 52, SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 9;
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                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Le
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
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Patent No. 7030215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                            Ouery Match
Best Local Similarity 100.
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Matches 7; Conservative
Haiyin
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                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Zea mays
US-10-209-059-40
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Sequence 5, Application US/08822701
Setent No. 5976853
GENERAL INFORMATION:
APPLICANT: Basilico, Claudio
TITLE OF INVENTION: NOVEL GROWTH FACTOR INDUCIBLE
TITLE OF INVENTION: NOVEL GROWTH FACTOR INDUCIBLE
TITLE OF INVENTION: BERINE/THREONINE PHOSPHATASE, FIN13
NUMBER OF SEQUENCES: 18
CORRESPONDENCES David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
STREET: Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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                                                                                                                                                                                                                                                                                                                 Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/822,701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 35.0%; Score 7; DB 1; Best Local Similarity 100.0%; Pred. No. 53; Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                 Query Match 35.0%; Score 7; DB 1; Best Local Similarity 100.0%; Pred. No. 53; Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PILLING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Beg., David A.
REGISTRATION NUMBER: 26,742
REGISTRATION NUMBER: 1049-1-002 N
TELECOMMUNICATION INFORMATION:
TELEFRAX: 201-487-5800
TELEFRAX: 201-487-5800
TELEFRAX: 201-487-5800
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
TELECOMMUNICATION INFORMATION:
               TELEPAN: (617) 523-3400
TELEFAX: (617) 523-6440
TELEX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
                                                                                                                                                                                                                                     MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
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US-08-822-701-5
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US-08-822-701-5/c
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| Sequence 12, Application US/08465794
| Patent No. 5886141
| GENERAL INFORMATION:
| APPLICANT: INFORMATION:
| APPLICANT: SHING, YUEN
| APPLICANT: ISARASHI, KOICHI
| TITLE OF INVENTION: GMOOTH MUSCLE MITOGEN AND ISOLATED DNA
| TITLE OF INVENTION: CODING THEREFORE
| NUMBER OF SEQUENCES: 18
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: DAVID G. CONLIN, DIKE, BRONSTEIN, ROBERTS &
| ADDRESSEE: CUSHMAN
                                                                                                                                                                                                                                                                      ;
                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                 Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Flopped disk
MEDIUM TYPE: Flopped disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Flopped disk
COMPUTER EN FOCOMPATIBLE
COMPUTER BELENCIN BACCOMPATIBLE
SOFTWARE: PRESENTE 100, Version #1.25
CURRENT APPLICATION DATA:
PILING DATE:
TLING DATE: 21-JAN-1993
APPLICATION NUMBER: US 08/007,126
FILING DATE: 22-DEC-1992
PRIOR APPLICATION DAMBER: US 07/994,776
FILING DATE: 23-APR-1992
PRIOR APPLICATION NUMBER: US 07/872,597
FILING DATE: 23-APR-1992
PRIOR APPLICATION NUMBER: US 07/872,597
FILING DATE: 23-APR-1992
PRIOR APPLICATION NUMBER: US 07/872,792
FILING APPLICATION NUMBER: US 07/872,792
                                                                                                                                                                                                                 Query Match 35.0%; Score 7; DB 1
Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: RESNICK, DAVID S.
REGISTRATION NUMBER: 34235
REFERENCE/DOCKET NUMBER: 40435-CIP-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 07/832,939
FILIND DATE: 10-FBB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/766,354
FILIND DATE: 26-SBE-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/604,778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 07/833,552
FILING DATE: 10-FEB-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 07/604,778 FILING DATE: 26-OCT-1990 ATTORNEY/AGENT INFORMATION:
                    TYPE: nucleic acid
STRANDEDNESS: both;
TOPOLOGY: not relevant;
MOLECULE TYPE: DNA (genomic);
GRIGINAL SOURCE:
STRAIN: BamHl linker
US-08-174-672D-113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        130 WATER STREET
10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: MASSACHUSETTS
COUNTRY: US
                                                                                                                                                                                                                                                                                                                    12 CATGGAT 18
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STREET: LOC
TTV: BOSTON
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Sequence 115, Application US/08388353
Patent No. 6010895
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                        US-07-890-609-7/C
Sequence 7, Application US/07890609C; Patent No. 6001588
GENERAL INFORMATION:
APPLICANT: TBui, Lap-Chee;
APPLICANT: Rommins, Johanna M.
RPPLICANT: Kerem, Bat-Sheva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 14-FEB-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: DIGIGLIO, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9606
                                Query Match
Best Local Similarity 100..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Homo sapiens
US-07-890-609-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 CATGGTC 10
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US-08-724-354D-12
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                                                                                                                                                        Sequence 7, Application US/08469461B
Patent No. 5981178
APPLICANT: Trui, Lap-Chee
APPLICANT: Rommins, Johanna M.
APPLICANT: Rommins, Johanna M.
APPLICANT: Rerem, Bat-Sheva
TITLE OF INVENTION: Introns and Exons of the Cystic Fibrosis Gene and TITLE OF INVENTION: Mutations at Various Positions of the Gene FILE REFERENCE: 3477-61, 033477/139840
FILE REFERENCE: 3477-61, 033477/139840
CURRENT FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIN Ver. 2.0
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| Sequence 12, Application US/08724354D
| Sequence 12, Application US/08724354D
| Patent No. 5994119
| GENERAL INPORMATION:
| APPLICANT: Dietz, Harry C. TITLE OF INVENTION: MAMMALIAN REGULATOR OF TITLE OF INVENTION: NONSENSE-MEDIATED RNA DECAY NUMBER OF SEQUENCES: 29
| CORRESPONDENCE ADDRESS: ADDRESSEE: Fish & Richardson, P.C. STREET: 4225 Excutive Square, Suite 1400
| CITY: La Jolla | STATE: CA | COUNTRY: USA | COUNT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COPERATING SYSTEM: Windows95
SOFTWARS: FastSEQ for Windows Version 2.0
SOFTWARS: FastSEQ for Windows Version 2.0
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,354D
FILING DATE: 01-CCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/016,482
FILING DATE: 29-APR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
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REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/090001
TELECOMMUTCATION INFORMATION:
TELEPHONE: 619-678-5070
TELEPAX: 619-678-5099
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 7; 1
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 CATGGTC 10
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       10 TCATGGT
                                                                                                                                          US-08-469-461-7/c
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CURRENT APPLICATION VMBER: US/07/890,609C
CURRENT FILING DATE: 1992-07-13
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn Ver. 2.0
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                                                     0; Indels
           Length 10;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Learmont, Jennifer C.
APPLICANT: Learmont, Jennifer C.
APPLICANT: McPhee, Dale A.
APPLICANT: Cooper, Jeanne
APPLICANT: Cooper, David
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 800
CORRESPONDENCE ADDRESS:
ADDRESSES: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 400 Garden City
CITY: Garden City
STATE: New York
COUNTRY: United States
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBN PC compatible
COMPUTER: PLOPS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/388,353
TTING DATE: 14-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 35.0%; Score 7; DB 1; Best Local Similarity 100.0%; Pred. No. 53; Matches 7; Conservative 0; Mismatches
             DB 1;
35.0%; bcc. No. ...
100.0%; Pred. No. ...
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COUNTRY: .....
ZIP: 11530
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CORRENT OF SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/388,353
FILING DATE: 14-FEB-1995
CLASSIFICATION NUMBER: 31,346
ATTORNEY/AGENT INFORMATION:
NAME: Didigilo, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9606
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEPHONE: (516) 742-4366
TELECHONE: (516) 74
                                                                                                                                                                                                                                                                             APPLICANT: Deacon, Nicholas J.
APPLICANT: Learmont, Jennifer C.
APPLICANT: McPhee, Dale A.
APPLICANT: Crowe, Suzanne
APPLICANT: Crowe, Suzanne
APPLICANT: Coper, David
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
WUMBER, OF SEQUENCES: 800
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Deacon, Nicholas J.
APPLICANT: Deacon, Nicholas J.
APPLICANT: Learmont, Jennifer C.
APPLICANT: Morbee, Dale A.
APPLICANT: Croper, Dale A.
APPLICANT: Cooper, David
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 800
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Scully, Scott, Murphy & Presser STRET: 400 Garden City Plaza CITY: Garden City STATE: New York COUNTRY: United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 35.0%; Score 7; DB 1
Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
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                                                                                                                                                                          Sequence 117, Application US/08388353
Patent No. 6010895
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11 ACATGGA 17
       3 ACATGGA 9
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35.0%; Score 7; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 116, Application US/08388353
Patent No. 6010895
JAPLICANT: Deacon, Nicholas J.
APPLICANT: Deacon, Nicholas J.
APPLICANT: Crowe, Suzanne
APPLICANT: Crowe, Suzanne
APPLICANT: Crowe, Suzanne
APPLICANT: Ocoper, David
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 800
CORRESPONDENCE ADDRESS:
ADDRESSER: Scully, Scott, Murphy & Presser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: New York
COUNTRY: United States
ZDP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: PATEMITIN Release #1.0, Version #1.25
SOFTWARE: PATEMITIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/388,353
FILING DATE: 14-FEB-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Diddyllo, Frank S.
NEGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9606
TELECOMMUNICATION INFORMATION:
METERENCE/DOCKET NUMBER: 9606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSE: Scully, Scott, Murphy & Presser STREET: 400 Garden City Plaza CITY: Garden City
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 35.0%; Score 7; DB 1
Best Local Similarity 100.0%; Pred. No. 53.
Matches 7; Conservative 0; Mismatches
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 115:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 Dase pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 23 901 SANS UR
INFORMATION FOR SEQ ID NO: 116:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear // MOLECULE TYPE: DNA (genomic) US-08-388-353-115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       single
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STRANDEDNESS: si
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Indels Length 10;

11 ACATGGA 17

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                                                                                                                                                                                               Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 519, Application US/08388353

Patent No. 6010895

GENERAL INFORMATION:
APPLICANT: Deacon, Nicholas J.
APPLICANT: McPhee, Dale A.
APPLICANT: Cooper, Dale A.
APPLICANT: Cooper, David
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 800
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CARDERSEES Scully, Scott, Murphy & Presser STREET: 400 Garden City Plaza CITY: Garden City Plaza CITY: Garden City Plaza CITY: Garden City CITY: Garden City CITY: Garden City CITY: The Wew York COUNTRY: United States ZIP: 11530 COMPUTER: Ploppy disk COMPUTER: READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPATIBLE OFFRATING SYSTEM: PC-DOS/MS-DOS SOFFWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION NUMBER: US/08/388,353 FLING DATE: 14-FFB-1995 CLASSIFICATION NUMBER: US/08/388,353 FLING DATE: 14-FFB-1995 CLASSIFICATION NUMBER: 31,346 REFERENCE/DOCKET NUMBER: 9606 TELECOMMUNICATION NUMBER: 9606 TELECOMMUNICATION NUMBER: 9606
                                                                                                                                                                                             35.0%; Score 7; DB 1; 100.0%; Pred. No. 53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                      0; Mismatches
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                    515:
                                                                                                                           MOLECULE TYPE: DNA (genomic) US-08-388-353-515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 51:
                                                                                                                                                                            Query Match
Best Local Similarity 100...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
Matches 7; Conservative
230 901 SANS UR
                  INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
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                                                       LENGTH: 10 base pairs
                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
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                                                                                                                 TOPOLOGY: linear
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US-08-388-353-519
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  TELEX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 10;
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GENERAL INFORMATION:
APPLICANT: Dearmont, Jennifer C.
APPLICANT: McPhee, Dale A.
APPLICANT: Cooper, David
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 800
CORRESPONDENCE ADDRESS:
                                                                                                                                 SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/388,353
FILING DATE: 14-FEB-1995
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/388,353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Scully, Scott, Murphy & Presser STREET: 400 Garden City Plaza CITY: Garden City STATE: New York COUNTRY: United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               35.0%; Score 7; DB 1; 100.0%; Pred. No. 53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
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CLASSIFICATION: 424
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MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                       CLASSIFICATION: *.*
ATTORNEY/AGENT INFORMATION:
NAME: DiGIGILO, FRANK 3.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9606
TELECOMMUNICATION INFORMATION:
TELERX: 516) 742-434
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 118:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
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NAME: DIGGALIO, FRANK S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.001
                    United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: sing
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Matches 7; Conserva
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New York
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35.0%; Score 7; DB 1, 100.0%; Pred. No. 53; tive 0; Mismatches
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APPLICATION NUMBER: PM3864 (AU)
FILING DATE: 14-PEB-1994
APPLICATION NUMBER: PM4002 (AU)
FILING DATE: 21-FEB-1994
APPLICATION NUMBER: PN0284 (AU)
FILING DATE: 23-DEC-1994
APPLICATION NUMBER: US 08/388,353
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: US 08/388,353
FILING DATE: 17-MAY-1995
APPLICATION NUMBER: US 08/388,353
ATTORNEY/AGENT INFORMATION:
NAME: PRANK S. DIGIGILO
REPERENCE/DOCKET NUMBER: 9606Z
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 116, Application US/08488551B
Patent No. 6015661
CENERAL INFORMATION:
APPLICANT: Nicholas J. Deacon
APPLICANT: Dale A. McPhee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPRONE: (516) 742-4343
TELEPRX: (516) 742-4366
INFORMATION FOR SEQ ID NO: 115:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11 ACATGGA 17
13 ATGGATG 19
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                                                 2 ATGGATG 8
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US-08-488-551B-116
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0
                                                                GENERAL INFORMATION:
APPLICANT: FOLKMAN, MOSES J.
APPLICANT: FOLKMAN, MOSES J.
APPLICANT: GENERAL INFORMATION:
APPLICANT: GENERAL INFORMAN, MOSES J.
APPLICANT: GENERAL INFORMAN
TITLE OF INVENTION: CODING THEREFORE
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
ADDRESSEE: CUSHMAN
STREET: 110 WATER STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
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                                                                                                                                                                                                                                                                                                                                                                        ZIP: 02109
COMPUTER READBLE FORM:
MEDIUM TESE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: DATE:
SOFTWARE: PATEMIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
RING DATE:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US US US US US PLILING DATE: 21-JAN-1993
APPLICATION NUMBER: US 07/994,776
FILING APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/872,597
FILING DATE: 23-APR-1992
PRIOR APPLICATION NUMBER: US 07/872,792
PRIOR APPLICATION NUMBER: US 07/872,792
PRIOR APPLICATION NUMBER: US 07/833,552
PRIOR APPLICATION NUMBER: US 07/832,939
FILING DATE: 10-FEB-1992
PRIOR APPLICATION NUMBER: US 07/832,939
FILING DATE: 10-FEB-1992
PRIOR APPLICATION NUMBER: US 07/66,354
FILING DATE: 26-SEP-1991
PRIOR APPLICATION NUMBER: US 07/66,354
FILING DATE: 26-SEP-1991
APPLICATION NUMBER: US 07/66,354
FILING DATE: A-6-SEP-1991
APPLICATION NUMBER: 40435-CIP-8
FILING DATE: A-6-SEP-1991
APPLICATION NUMBER: 34235
REPERRNCE/DOCKET NUMBER: 40435-CIP-8
TELECOMMUNICATION INPORMATION:
TELEFAX: (617) 523-5440
TELEFAX: (617) 523-5440
TELEFAX: (617) 523-5440
TELEFAX: (617) 523-5440
TELEFAX: (17) 523-5440
TELEFAX: (17) 523-5440
TELEFAX: (17) 523-5440
TELEFAX: (17) 523-5440
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Best Local Squilarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
APPLICATION NUMBER: US 08/007,126
  US-09-049-813-12

// Sequence 12, Application US/09049813

// Patent No. 6013762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/465,794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     i vyvUCOGY: unknown;
; MOLECULE TYPE: DNA (genomic)
U8-09-049-813-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: unknown
                                                                                                                                                                                                                                                                                                                                        CITY: BOSTON
STATE: MASSACHUSETTS
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Sequence 115 Application US/08488551B
Patent No. 6015651
GENERAL INFORMATION:
APPLICANT: Nicholas J. Deacon
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 841
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION VMBER: US/08/488,551B FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                         ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER STREET: 400 GARDEN CITY PLAZA CITY: GARDEN CITY PLAZA CITY: 0.8 AN UNEW YORK COUNTRY: U.S.A.
ZIP: 11530-0299
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible COMPUTER: IBM PC compatible COMPUTER: PROPERATING SYSTEM: PC-DOS/MS-DOS
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US-08-488-551B-118

US-08-488-551B-118

Sequence 118, Application US/08488551B

Patent No. 6015661

GENERAL INFORMATION:
APPLICANT: Dale A. McPhee
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 841

CORRESPONDENCE ADDRESS:
ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
STRAET: NEW YORK
COUNTRY: US.A.
ZIP: 11530-029
COMPUTER: NEW YORK
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTME: Polphy disk
COMPUTER: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,551B
FILMO DATE: O7-JUN-1995
PRIOR APPLICATION NUMBER: PANS64 (AU)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/48,551B
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: PM402
PRIOR APPLICATION NUMBER: PM402 (AU)
FILING DATE: 12-FEB-1994
APPLICATION NUMBER: PM402 (AU)
FILING DATE: 21-FEB-1994
APPLICATION NUMBER: PM3021/95
FILING DATE: 17-MAY-1995
APPLICATION NUMBER: PM3021/95
FILING DATE: 17-MAY-1995
ATTORNEY APPLICATION NUMBER: 9066Z
FILING DATE: 17-MAY-1995
ATTORNEY AGENT INFORMATION:
NAME: FRANK S. DIGIGLIO
REFERENCE/DOCKET NUMBER: 9606Z
TELEFONMATION FOR S.D IN 0: 117:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
LENGTH: 10 base pairs
TUPDE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 7; DB 1
Pred. No. 53;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.*
"arches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 14-FER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: li
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-488-551B-118
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| Sequence 117, Application US/08488551B
| Patent No. 601861
| GENERAL INFORMATION:
| APPLICANT: Nicholas J. Deacon APPLICANT: Nicholas J. Deacon APPLICANT: David Cooper |
| TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1 |
| TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1 |
| TORRESPONDENCE ADDRESS: 841 |
| CORRESPONDENCE ADDRESS: SCOTT, MURPHY & PRESSER |
| STREET: 400 GARDEN CITY PLAZA CITY: GARDEN CITY PLAZA CITY: GARDEN CITY |
| STATE: NEW YORK |
| COUNTR' COUNTR' U.S.A. |
| STATE: NEW YORK |
| COMPUTER READABLE FÖRM: |
| MEDIUM TYPE: Floppy disk |
| COMPUTENT FLOREN CITY |
| C
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                                                                                                                                                                                                                                          COUNTRY: U.S.A.

ZITE: NEW YORK
COUNTRY: U.S.A.
ZIP: 11530-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BLW COMPOUTER
MEDIUM TYPE: POPPY disk
COMPUTER: PROPENTION NUMBER: O'-DOS/MS-DOS
SOFTWARE: PATENTION NUMBER: US/08/488,551B
FILING DATE: 0'-JUN-1995
PROPERTION NUMBER: BW364 (AU)
FILING DATE: 14-FEB-1994
APPLICATION NUMBER: PM0284 (AU)
FILING DATE: 23-DEC-1994
APPLICATION NUMBER: US 08/388,353
FILING DATE: 12-FEB-1995
APPLICATION NUMBER: US 08/388,353
FILING DATE: 17-MAY-1995
APPLICATION NUMBER: US 08/388,353
FILING DATE: 17-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRAMK S. DIGIGIOIO
NAME: FRAMK S. DIGIGISIO
                              APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SEQUENCES: 841
CORRESPONDENCE SULLY, SCOTT, MURPHY & PRESSER
STREET: 400 GARDEN CITY PLAZA
                                                                                                                                                             SEE: SCULLY, SCOTT, MURPHY & PRESSER: 400 GARDEN CITY PLAZA GARDEN CITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Pred. No. 53;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 9606Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEPAX: (516) 742-436
INFORMATION FOR SEQ ID NO: 116:
SEQUENCE CHARACTERISTICS:

    Floppy disk
    IBM PC compatible

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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11 ACATGGA 17
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                                                                                                                                                                                   0; Indels
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                                                                                                                                 Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSER:
STREET: SCULLY, SCOTT, MURPHY & PRESSER
STREET: 400 GARDEN CITY PLAZA
CITY: GARDEN CITY
STREET: NEW YORK
COUNTRY: U.S.A.
ZIP: 11330-0239
COMPUTER: NEADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,551B
FILING DATE: 14-FEB-1994
APPLICATION NUMBER: PM364 (AU)
FILING DATE: 21-FEB-1994
APPLICATION NUMBER: US/08/388,353
FILING DATE: 21-FEB-1995
APPLICATION NUMBER: US/08/388,353
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: US/08/388,353
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PM3021/95
FILING DATE: 17-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGIGLIO
REFERENCE/DOCKET NUMBER: 9606Z
TELECOMMUNICATION INFORMATION:
NAME: FRANK S. DIGIGLIO
REFERENCE/DOCKET NUMBER: 9606Z
TELECOMMUNICATION INFORMATION:
NAME: FRANK S. DIGIGLIO
REFERENCE/DOCKET NUMBER: 104-436
IEBRHOME: G16/742-436
IEBRHOME: G16/742-436
IEBRHOME: G16/742-436
IEBRHOME: G16/742-436
IEBRHOME: GARACTERISTICS:
LENGTH: 10 Dase pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Nicholas J. Deacon
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
CORRESPONDENCE ADDRESS:
                                                                                                                                 Score 7; DB 1; ; Pred. No. 53; 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 519, Application US/08488551B Patent No. 6015661
GENERAL INFORMATION:
                                                                                                                               Query Match
Best Local Similarity 100.0%;
Matches 7; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
          STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14 TGGATGA 20
                                                                                                                                                                                                                                      13 ATGGATG 19
                               ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-488-551B-515
                                                                                                                                                                                                                                                                                                                                                               RESULT 124
US-08-488-551B-519
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Sequence 515, Application US/08488551B

GENERAL No. 6015661

APPLICANT: Nicholas J. Deacon

APPLICANT: Daile A. McPhee

APPLICANT: APPLICANT: SCOTT, MURBHY & PRESSER

STREET: 400 GARDEN CITY PLAZA

CITY: GARDEN CITY

COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       35.0%; Score 7; DB 1; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:

MEDIUM TYPE: Flopy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PETCHIN Release #1.0, Version #1.25

SURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/488,551B

PILING DATE: 07-JUN 1995

PILING DATE: 14-FEB-1994

APPLICATION NUMBER: PM4002 (AU)

FILING DATE: 23-DEC-1994

APPLICATION NUMBER: US 08/388,353

FILING DATE: 14-FEB-1995

APPLICATION NUMBER: US 08/388,353

FILING DATE: 14-FEB-1995

APPLICATION NUMBER: US 08/388,353

FILING DATE: 17-MAY-1995

ATTORNEY/AGENT INPORMATION:

NAMME: FRANK S. DIGIGION

REFERENCE/DOCKET NUMBER: 9606Z

TELECOMMUNICATION INFORMATION:

NAMME: FRANK S. DIGIGION

REFERENCE/DOCKET NUMBER: 9606Z

TELERPHONE: (516) 742-4343
PILING DATE: 14-FEB-1995
APPLICATION NUMBER: PN3021/95
FILING DATE: 17-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: FRANK S. DIGIGLIO:
REPERBENCE/DOCKET NUMBER: 9606Z
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEPHONE: (516) 742-4346
INFORMATION FOR SEQ ID NO: 118:
SEQUENCE CHARACTERICTICS:
LENGTH: 10 base pairs
TYPE: nuclaic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 ACATGGA 17
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Gaps
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                                                                                                   COMPUTER READABLE FORM:

MEDIUM TYPE: RADAPY disk

COMPUTER READABLE FORM:

MEDIUM TYPE: RADAPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOGTWARE: Patentin Release #1.0, Version #1.25

SUGNERWI APPLICATION DATA:

APPLICATION NUMBER: US/08/488,551B

FILING DATE: 07-JUN-1995

APPLICATION NUMBER: PM3864 (AU)

FILING DATE: 14-FEB-1994

APPLICATION NUMBER: PM0284 (AU)

FILING DATE: 21-FEB-1994

APPLICATION NUMBER: BN0284 (AU)

FILING DATE: 11-FEB-1994

APPLICATION NUMBER: US/08/383

APPLICATION NUMBER: BN321/95

FILING DATE: 17-MAY-1995

APPLICATION NUMBER: PM321/95

FILING DATE: 17-MAY-1995

ATSLECOMMUNICATION INDER: 9606Z

TELECOMMUNICATION INDER: 14-FEB-1995

ATSLECOMMUNICATION INDER: 14-FEB-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 12, Application US/09270984A

Patent No. 6048965
GENERAL INFORMATION:
GENERAL INFORMATION:
MARMALIAN REGULATOR OF
TITLE OF INVENTION: MARMALIAN REGULATOR OF
TITLE OF INVENTION: MARMALIAN REGULATOR OF
TITLE OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 4225 Excutive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPRATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
FILLING DATE:
FILLING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               35.0%; Score 7; DB 1
100.0%; Pred. No. 53;
tive 0; Mismatches
STREET: 400 GARDEN CITY PLAZA
CITY: GARDEN CITY
STATE: NEW YORK
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (516) 742-4343
TELEPAX: (516) 742-4366
INFORMATION FOR SEQ ID NO: 837:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity luv...
7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14 TGGATGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 TGGATGA 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 127
US-09-270-984A-12/c
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                                                                  Sequence 833, Application US/08488551B;
Sequence 833, Application US/08488551B;
Patent No. 601564
GENERAL INFORMATION:
APPLICANT: Baid Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
CORRESPONDENCE ADDRESS:
ADDRESSER: SCULLY, SCOTT, MURPHY & PRESSER
STREET: 400 GARDEN CITY PLAZA
CITY: GARDEN CITY
STATE: HEW YORK
COUNTRY: U.S.A.
ZIP: 11530-0299
COMPUTER FADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER TABBABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER TABBABLE FORM:
APPLICATION NUMBER: DA364 (AU)
FILING DATE: 07-UN-1995
CURRENT APPLICATION NUMBER: PM4002 (AU)
FILING DATE: 14-FEB-1994
APPLICATION NUMBER: PM4002 (AU)
FILING DATE: 14-FEB-1995
APPLICATION NUMBER: PM3021/95
FILING DATE: 17-MAY-1995
APPLICATION NUMBER: PM3021/95
APPLICATION NUMBER: PM3021/95
APPLICATION
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Patent No. 6015661
GENERAL INFORMATION:
APPLICANT: Dale A. McPhee
APPLICANT: Dale A. McPhee
APPLICANT: David Cooper
TITLE OF INVENTION: NON-PATHOGENIC STRAINS OF HIV-1
NUMBER OF SUG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Preu. ... 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13 ATGGATG 19
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Gaps

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US-09-063-450-32/C
US-09-063-450-32, Application US/09063450
Fatent No. 6109776
GENERAL INFORMATION:
FITLE OF INVENTION: Method and System for Computationally Identifying
TITLE OF INVENTION: Clusters Within a Set of Sequences
FILE REPERBNCE: 77001.002
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                                             ö
                                                                                                                                                                                                              Sequence 5, Application US/08935855;
Patent No. 6066485;
GENERAL INFORMATION: Wark
APPLICANT: Basilico, Claudio
ITLEO PINVENTION: NOVEL GROWTH FACTOR INDUCIBLE
ITLE OF INVENTION: SERINE/THREONINE PHOSPHATASE, FIN13
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
                                         Indels
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  35.0%; Score 7; DB 1; Length 10; 100.0%; Pred. No. 53; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY. USA

ZIP: 07601

COMPUTER READBLE FORM:
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/935,855
FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1049-1-002 CIP
TELECOMMUNICATION 11487-5800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
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Best Local Similarity 100.
Query Match 35.0
Best Local Similarity 100.
Matches 7; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: CDNA
                                                                                  13 ATGGATG 19
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US-08-935-855-5
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APPLICANT: Niehimura, Osamu
APPLICANT: Suanaga, Masato
APPLICANT: Ohme, Hiroaki
APPLICANT: Tauji, Shinji
TITLE OF INVENTION: Method of Removing N-terminal
TITLE OF INVENTION: Method of Removing N-terminal
ADDRESSEE: Dike, Bronstein, Roberts & Cushman, LLP
STREES: 130 Water Street
CITY: Boston
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                          Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTY OF THE STANDABLE FORM:

MRDIUM TYPE: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: DEM COMPETIBLE COMPUTER: DOS SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATE: US/08/872,417B FILING DATE: 10-JUN-1997 CLASSIFICATION 1514 PRIOR APPLICATION NUMBER: US/08/872,417B FILING DATE: 14-JUN-1996 ATTORNEY/AGENT INFORMATION: NAME: CONLIN, DAVIG GREGERATION NUMBER: 27,026 REGERRATION NUMBER: 27,026 REGERRATION INFORMATION: NAME: CONLIN, DAVIG GREGERATION INFORMATION: TELEPHONE: 617-523-3400
                                                                                                                                                                                                                                                                                                                                          DB 1;
o. 53;
              FILING DELLA
ATTORNEY/AGENT INFORMAT.

NAME: Halle, Liea A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/090001
TELECOMMUNICATION INFORMATION:
TELEPRAX: 619-678-5070
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                          35.0%; Score 7; DB 1
100.0%; Pred. No. 53;
:ive 0; Mismatches
    APPLICATION NUMBER: 08/724,354
                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 100.
Matches 7; Conservative
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SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 617-523-34(TELEFAX: 617-523-6440
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                                                                                                                                                                                                                                                                                                     US-09-270-984A-12
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U8-08-872-417B-4
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US-08-988-321B-29
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                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:example OTHER INFORMATION: sequence illustrating a computational methodology
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 67, Application US/08729601A; Sequence 67, Application US/08729601A; Sequence 67, Application US/08729601A; Sequence 67, Applicant: North Merlo, Donald J. APPLICANT: Folkerts, Otto.
7 TITLE OF INVENTION: Depidopteran Control in Plants NUMBER OF EQUENCES: 84
CORRESPONDENCE ADDRESSE: ADDRESSE: ADDRESSE: ALASAILe St.
STREET: 135 S. LaSaile St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                             Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIF: 60603

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/729,601A
                                                                                                                                                                                                                                             35.0%; Score 7; DB 1;
100.0%; Pred. No. 53;
:ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 800
ATORNEY/AGENT INFORMATION:
NAME: KTUGGET, James P.
REGISTRATION NUMBER: 35,234
REFERENCE/DOCKET NUMBER: 6008;
TELECOMOUNICATION INFORMATION:
TELEPHONE: 312-372-7842
TELEPHONE: 312-372-7843
INFORMATION FOR SEQ ID NO: 67: SEQUENCE CHARACTERISTICS:
CURRENT FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 38
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 32
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: DNA (genomic)
                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nucleic acid
EDNESS: unknown
                                                                                                                                                                                                                                               Query Match 35.0
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                              11 ACATGGA 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-729-601A-67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Chi
STATE: II
COUNTRY:
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RESULT 132

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Sequence 29, Application US/08988321B
Sequence 29, Application US/08988321B
Settle No. 6174868
GENERAL INFORMATION:
APPLICANT: Kevin P. Anderson et al.
TITLE OF INVENTION: Compositions And Methods For Treatment Of Hepatitis C V
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Jane Massey Licata
STREET: 66 East Main Street
CITY: Marlton
STATE: NJ
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Sequence 5, Application US/08663191A

Sequence 5, Application US/08663191A

Patent No. 6183971

TITLE OF INVENTION: ANTIBODY, HYBRIDOMA AND USE THEREOF NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

STREET: 2033 K Street, N.W., Suite 800

CITY: Washington

STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MD STORAGE
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDPERFECT 6.1 FOR WINDOWS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US, 1997
CLASSIFICATION:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/650,093
FILING DATE: May 17, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/452,841
FILING DATE: May 30, 1995
FILING DATE: March 9, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/397,220
FILING DATE: March 9, 1995
FILING DATE: March 9, 1995
FILING DATE: SEPEEMDER 10, 1992
ATTORNEY/AGENT INFORMATION:
WANNEY AND MARCH 10, 1992
ATTORNEY/AGENT INFORMATION:
WANNEY AND MARCH 10, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ISPH-0245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISI
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.00;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (856) 810-1454
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 100.
Matches 7; Conservative
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STRANDEDNESS: Single
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Gaps

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TITLE OF INVENTION: PARTIAL INTRON SEQUENCE
OF VHL DISEASE GENE AND ITS USE IN DIAGNOSIS
OF DISEASE CARRIERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 4, Application US/09436518

Patent No. 6309859

GENERAL INFORMATION:
APPLICANT: NISHIMURA, OSAMU
APPLICANT: TSUST, MASATO
APPLICANT: TSUST, SHINJI
TTILE OF INVERTION: HIROAKI
TTILE OF INVERTION: MATHOD FOR REMOVING N-TERMINAL METHIONINE
FILE REFERENCE: 47423-CPA-CON (342)
CURRENT PILING DATE: 1999-11-09
PRIOR APPLICATION NUMBER: 08/872,417
PRIOR APPLICATION NUMBER: 08/872,417
PRIOR APPLICATION NUMBER: 1997-06-10
PRIOR APPLICATION NUMBER: 1997-06-10
PRIOR APPLICATION NUMBER: 1997-06-14
SEQ ID NO. 8
SEQ ID NO. 4
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ) OTHER INFORMATION: Description of Artificial Sequence: Synthetic; CTHER INFORMATION: adapter US-09-436-518-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                    Length 10;
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Patent No. 6312890
GENERAL INFORMATION:
APPLICANT: W. MARSTON LINEHAN, MICHAEL
LERMAN, FARIDA LATIF AND BERTON
                                                                                                                                                                                                                                                                                                 DB 1;
. 53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 35.0%; Score 7; DB 1;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
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ADDRESSE: MORGAN & FINNEGAN, L.L.P.
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                 35.0%; Score 7; DB 1
100.0%; Pred. No. 53;
tive 0; Mismatches
                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 100:
                                                                      LENGTH: 10 base pairs
      INFORMATION FOR SEQ ID NO: 100: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 63
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Matches 7; Conservative
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US-08-623-428D-34
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US-09-436-518-4
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$-08-991-789A-100/C
$-08-991-789A-100/C
$-08-991-789A-100/C
$-08-991-789A-100/C
$-08-991-789A-100/C
$-08-991-78-100/C
$-08-991-7
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COMPUTER READABLE PODRM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FTLING DATE: 11-Dec-1997
CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 10
                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:

ATTORNEY/AGENT INFORMATION:

NAME: Lee Cheng

REFERENCE/DOCKET NUMBER: 96-0256/LC(WMC)/927

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-721-8200

INFORMATION FOR SEQ ID NO: 5:
ZIP: 2006

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTMARR: Wordberfect 5.1
CURRYT APPLICATION DATA:
APPLICATION NUMBER: US/08/663,191A
FILING DATE: 11-Unn-1996
CLASSIRICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Potter, Jane E. R.
REGISTRATION NUMBER: 33,332
REFERENCE/DOCKET NUMBER: 210121.419C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 292
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed IP Law Group
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
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100.0%; Pred. No.
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MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-08-663-191A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: Washington
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
Matches 7; Conservative
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Gape

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Gaps

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Sequence 112, Application US/08650093C
Patent No. 6391542
GENERAL INFORMATION:
APPLICANT: Kevin P. Anderson et al.
TITLE OF INVENTION: Compositions And Methods For Treatment
Hepatitis C Virus-Associated Diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 08053

COMPUTER READABLE FORM:
    MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE COMPUTER: IBM Compatible
    OPERATING SYSTEM: Windows 95
    SOFTWARE: WORDPERFECT 6.1 for Windows
    CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/08/650,093C
    FILING DATE: 17-May-1996
    CLASSIFICATION: <UNknown>
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Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                   35.0%; Score 7; DB 1;
100.0%; Pred. No. 53;
tive 0; Mismatches
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APPLICATION NUMBER: 08/452,841
FILING DATE: May 30, 1995
APPLICATION NUMBER: 08/397,220
FILING DATE: March 9, 1995
APPLICATION NUMBER: 07/945,289
FILING DATE: September 10, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; SEQUENCE DESCRIPTION; SEQ ID NO: 112: US-08-650-093C-112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: LICATA & TYRRELL P.C.
STREET: 66 E. Main Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: ISPH-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
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TELEPHONE: (609) 779-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (609) 779-8488
                  TELEPHONE: (206) 622-4900
TELEPA: (206) 682-6031
INFORMATION FOR SEQ ID NO: 100: SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 118
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SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                   Query Match
Best Local Similarity 100..
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                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                              12 CATGGAT 18
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APPLICANT: Smith, John M.
APPLICANT: Smith, John M.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF BREAST CANCER
NUMBER OF SEQUENCES: 297
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY Life
STREET: 6300 Called
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                                                                             COMPUTER: ITES: FORTION COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COPERATING SYSTEM: PC-DOS/MS-DOS
SOUTHARE: MICROSOFT WORD 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/623,428D
FILING DATE: OS-SEP-2000
PRIOR APPLICATION NUMBER: 08/623,428
APPLICATION NUMBER: 08/621,889
FILING DATE: MAY 14, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Kathryn M. Brown
REGISTRATION NUMBER: 34,556
REFERENCE/DOCKET NUMBER: 2026-4078US3
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
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CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.419C2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: CDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 34:
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COMPUTER REARABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5-09-062-451-100/c
Sequence 100, Application US/09062451
Patent No. 6344550
GENERAL INFORMATION:
APPLICANT: Frudakis, Tony N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ 1D NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                      ZIP: 10154
COMPUTER READABLE FORM:
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Best Local Similarity 100.
Matches 7; Conservative
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STATE: Washington
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RESULT 141
US-09-289-198-100/c
; Sequence 100, Application US/09289198
; Patent No. 6586570
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                               TYPE: DNA ORGANISM: Artificial Sequence
PRIOR FILING DATE: 1997-09-18
NUMBER OF SEQ ID NOS: 472
SEQ ID NO 132
LENGTH: 10
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                                                                                                                       FEATURE:
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| Sequence 132, Application US/09508753B
| Patent No. 6544736
| GENERAL INFORMATION:
| APPLICANT: Akira SHIMAMOTO
| APPLICANT: Yoke SHIBATA
| APPLICANT: Yoke SHIBATA
| APPLICANT: Hiroko FUNAKI
| APPLICANT: Hiroko FUNAKI
| APPLICANT: Hiroko FUNAKI
| TILLE OF INVENTION: Method for Synthesizing CDNA from mRNA sample FILE RERERENCE: 00162/HG
| CURRENT APPLICATION: NUMBER: US/09/508,753B
| CURRENT FILING DATE: 2000-06-16
                                                                                       RESULT 139
US-09-598-326-100/c
1 Sequence 100, Application US/09598326
1 Patent No. 6423496
1 GENERAL INFORMATION:
2 Smith, John M.
3 Smith, John M.
1 TILE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: COMPOSITIONS OF BREAST CANCER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                           STREET: 701 Fifth Avenue, Suite 6300 CITY: Seattle
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MEDIUM TYPE: Floppy disk
COMPUTER: Inah PC compatible
COMPUTER: Inah PC compatible
OPERATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATE: US/09/598,326
FILING DATE: 20-Jun-2000
CLASSIFICATION : CURROWAL
APPLICATION : CURROWAL
NAME: POTTER, Jane E.R.
REGISTRATION NUMBER: 33,332
REPERANCE/DOCKET NUMBER: 210121.419D1
TELEPANE: (206) 622-4900
TELEPANE: (206) 622-4900
TELEPANE: (206) 622-4900
TELEPANE: (206) 622-4900
JENGTH: 10 base pairs
LENGTH: 10 base pairs
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35.0%; Score 7; DB 1;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ) SEQUENCE DESCRIPTION: SEQ ID NO: 100:
US-09-598-326-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT FILING DATE: 2000-06-16
PRIOR APPLICATION NUMBER: JP 9/270324
                                                                                                                                                                                                                                                                                                                                                                                                       STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                           CTCATGG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12 CATGGAT 18
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CTCATGG 8
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APPLICANT: Hanceck, Ronnie C.
APPLICANT: No. 660819184, Chikateru
TITLE OF INVENTION: Compositions and Methods for Treatment of Hepatitis C
                                                                                                                                                   Gaps
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APPLICANT: Frudakis, Tony N.
APPLICANT: Smith, John M.
APPLICANT: Smith, John M.
APPLICANT: Smith, John M.
APPLICANT: Reed, Steven G.
APPLICANT: Reed, Steven G.
APPLICANT: Reed, Steven G.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF BREAST CANCER FILE REFERENCE: 120121.419C5
CURRENT FILING DATE: 1999-04-09
CURRENT FILING DATE: 1999-04-10
EARLIER PELLING DATE: 1999-04-17
EARLIER FILING DATE: 1997-12-11
EARLIER FILING DATE: 1997-12-11
EARLIER FILING DATE: 1997-04-09
EARLIER FILING DATE: 1997-04-10
EARLIER FILING DATE: 1997-04-09
EARLIER FILING DATE: 1997-01-10
EARLIER FILING DATE: 1996-01-01
NUMBER OF SEQ ID NOS: 312
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 100
LENGTH: 10
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; OTHER INFORMATION: Description of Artificial Sequence: Primer US-09-508-753B-132
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Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
                                                                                 Query Match
35.0%; Score 7; DB 1;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
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US10719370A-446.rni.sl

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; Sequence 16, Application US/09822250A; Patent No. 6706477; GENERAL INFORMATION:
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                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
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SOFTWARE: PatentIn version 3.2
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LENGTH: 10
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic?:
US-09-690-936-29
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Sequence 100, Application US/09429755A

Patent No. 6656480

GENERAL INFORMATION:
APPLICANT: Frudakis, Tony N.
APPLICANT: Rede, Steven G.
APPLICANT: Reter, Marc W.
APPLICANT: Retter, Marc W.
APPLICANT: Dillon, Davin C.
ITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 1999-10-28

CURRENT FILING DATE: 1999-10-28

CURRENT FILING DATE: 1999-10-28

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 100

LENGTH: 10

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LENGTH: 10
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Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
      Virus-Associated Disease
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TITLE OF INVENTION: Virus-Associated Disease FILE REFERENCE: ISPH-0517
CURRENT APPLICATION NUMBER: US/09/690,936
CURRENT FILING DATE: 2000-10-18
PRIOR PILING DATE: 1997-12-10
PRIOR FILING DATE: 1996-05-17
PRIOR FILING DATE: 1996-05-17
PRIOR FILING DATE: 1996-05-17
PRIOR FILING DATE: 1996-05-17
PRIOR FILING DATE: 1996-05-30
PRIOR FILING DATE: 1995-03-09
PRIOR FILING DATE: 1995-09-10
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PatentIN Ver. 2.1
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US-09-995-973-12/c
; Sequence 12, Application US/09995973
------ No. 6706470
                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Matches 7; Conservative
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Sequence 17, Application US/0982250A

Sequence 17, Application US/0982250A

Patent No. 6706477

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
Methods for Producing Polynucleotide Libraries in Vaccinia Virus
FILE REFERENCE: 1821.00100J

CURRENT FAPLICATION NUMBER: US 09/922,250A

CURRENT FILING DATE: 2001-04-02

PRIOR APPLICATION NUMBER: US 08/935,377

PRIOR FILING DATE: 1997-09-22

NUMBER OF SEQ ID NOS: 38

SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Zauderer, Maurice TITLE OF INVENTION Whethods for Producing Polynucleotide Libraries in Vaccinia Virus FITLE REPERENCE: 1821.001001 CURRENT APPLICATION NUMBER: US/09/822,250A CURRENT FILING DATE: 2001-04-02 PRIOR APPLICATION NUMBER: US 08/935,377 PRIOR PILING DATE: 1997-09-22
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OTHER INFORMATION: Description of Artificial Sequence: plant
OTHER INFORMATION: translational initiation sequence
US-09-995-913-12
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APPLICANT: ULLMAN, Christopher G.
TITLE OF INVENTION: GENE SWITCHES
FILE REFERENCE: 8325-2003 / 67-US1
CURRENT APPLICANTON NUMBER: US/09/995,973
CURRENT FILING DATE: 2002-03-19
NUMBER OF SEQ ID NOS: 59
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 12
LENGTH: 10
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LENGTH: 10
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12 CATGGAT 18
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                                        RESULT 149
US-10-034-350A-17
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LENGTH: 10
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LENGTH: 10
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APPLICANT: Zauderer, Maurice
TITLE OF INVENTION: Methods of Selecting Polynucleotides Encoding Antigens
FILE SPERENCE: 1821.0010002
CURRENT APPLICATION NUMBER: US/10/034,350A
CURRENT FILING DATE: 2002-01-03
PRIOR APPLICATION NUMBER: US 08/935,377
PRIOR FILING DATE: 1997-09-22
NUMBER OF SEQ ID NOS: 38
SOFTWARE: Patentin version 3.1
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                                                                                                                                                                                                                                                                                                                              | Sequence 7.7. Application US/09806871A | Sequence 7.7. Application US/09806871A | Patent No. 6774221 | Patent INFORMATION: APPLICANT: NISHIMURA, OSAMU | TITLE OF INVENTION: METHOD FOR REMOVING N-TERMINAL METHIONINE | TITLE OF INVENTION: MOMBER: US/09/806,871A | CURRENT FILING DATE: 2001-04-05 | NUMBER OF SEQ ID NOS: 10 | SOFFWARE: Patentin Ver. 2.0 | SEQ ID NO 7 | LENGTH: 10 |
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                                                                                                                      Query Match 35.0%; Score 7; DB 1; Best Local Similarity 100.0%; Pred. No. 53; Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 35.0%; Score 7; DB 1; Best Local Similarity 100.0%; Pred. No. 53; Matches 7; Conservative 0; Mismatches
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OTHER INFORMATION: Synthetic Construct
US-10-034-350A-16
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08-10-034-350A-16
1 Sequence 16, Application US/10034350A
1 Patent No. 6800442
                                                         ) OTHER INFORMATION: MR_9 primer U8-09-822-250A-17
TYPE: DNA
ORGANISM: Artificial Sequence
PEATURE:
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LENGTH: 10
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                                             GENERAL INFORMATION:
APPLICANT: Zauderer, Maurice
TITLE OF INVENTION: Methods of Selecting Polynucleotides Encoding Antigens
TITLE OF INVENTION: Methods of Selecting Polynucleotides Encoding Antigens
FILE PEFERENCE: 1821.001034.350A
CURRENT APPLICATION NUMBER: US/10/034.350A
PRIOR APPLICATION NUMBER: US 08/935,377
PRIOR FILING DATE: 1997-09-22
NUMBER OF SEQ ID NOS: 38
SOFTWARE: Patentin version 3.1
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APPLICANT: Retter, Marc W.
APPLICANT: Skeikv, Ajun
APPLICANT: Skeikv, Sugan L.
APPLICANT: Harlocker, Sugan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF BREAST CANCER
FILE REPERENCE: 21012.419C10
CURRENT APPLICATION NUMBER: US/09/699,295
CURRENT FILING DATE: 2000-110-26
NUMBER OF SEQ ID NOS: 326
SOFTWARE: FastSEQ for Windows Version 3.0
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Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
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; OTHER INFORMATION: Synthetic Construct
US-10-034-350A-17
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Patent No. 6828431
GENERAL INFORMATION:
; Sequence 17, Application US/10034350A; Patent No. 6800442
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Artificial Sequence
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US-09-534-825A-100/c

GTCACAT 8

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JS-08-935-377-17
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APPLICANT:
APPLICANT:
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APPLICANT:
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Sequence 16, Application US/08935377

Patent No. 6872518

GENERAL INFORMATION:

TITLE OF INVENTION: T Cells Specific for Target Antigens and TITLE OF INVENTION: Vaccines Based Thereon

TITLE OF SEQUENCES: 37

CORRESPONDENCE ADDRESS:

ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C

STREET: 1100 New York Avenue, N.W., Suite 600

CITY: Washington

STATE: D. C.
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                                                                APPLICANT: Smith, John M.
APPLICANT: Smith, John M.
APPLICANT: Smith, John M.
APPLICANT: Reded, Steven G.
APPLICANT: Retter, Marc W.
APPLICANT: Retter, Marc W.
APPLICANT: Davin C.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.419C7
CURRENT APPLICATION NUMBER: US/09/534,825A
CURRENT FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 317
SOFTWARE: FastSEQ for Windows Version 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: TBM PC compatible
COMPUTER: TBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/935,377
FILING DATE: 22-SEP-1997
CLASSIFICATION: 424
ATTORNEY/AGRNT INPORMATION:
NAME: Steffe, Eric K
REGISTRATION NUMBER: 1821.001000/EKS/CMB
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
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Application US/09534825A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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US-08-935-377-16
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                                                                                                                                                                                                                                                                                                                                                                                                                           sequence 17, Application US/08935377

pacent No. 6872518

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: T Cells Specific for Target Antigens and TITLE OF INVENTION: Vaccines Based Thereon
NUMBER OF SEQUENCES: 37

CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C
STREET: 1100 New York Avenue, N.W., Suite 600
CITY: Washington
CITY: Washington
CITY: Washington
CITY: Washington
CITY: Washington
COUNTRY: USA
COUNTRY: USA
COUNTRY: USA
COUNTRY: TEADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER READABLE FORM:
COMPUTER FLOPS/MS-DOS
COMPUTER: TBW PC compatible
COMPUTER: TBW PC com
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                                                                                 Indels
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    Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/935,377
FILING DATE: 22-SEP-1997
CLASSIFICATION: 424
ATTOMNEY/AGENT INFORMATION:
NAME: Steffe, Eric K
REGISTRATION NUMBER: 36,688
REGISTRATION NUMBER: 36,688
TELECOMMULICATION INFORMATION:
TELECOMMULICATION INFORMATION:
TELECOMMULICATION INFORMATION:
Score 7; DB 1; Pred. No. 53; 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-910-469-75/c
Sequence 75, Application US/09910469;
Parent No. 6893822;
GENERAL INFORMATION:
APPLICANT: Schweitzer, Markus;
APPLICANT: Anderson, Richard R.;
APPLICANT: Mueller, Jochen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Fiechtner, Michael
Bruecher, Christoph
Kienle, Stefan
Orwick, Jill
Pignot, Marc
    Query Match
Best Local Similarity 100.0%;
Matches 7; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (202) 371-2540 INFORMATION FOR SEQ ID NO: 1 SEQUENCE CHARACTERISTICS: LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 100 Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7 GGTCACA 13
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APPLICANT: Grenier, Jennier, Applicant: Arbitchmier, Applicant: Brudent, Jennier, Applicant: Brudent, Jennier, Applicant: Brudent, Jennier, Applicant: Brudent, Jennies, Applicant: Brudent, Jennies, Applicant: Richmond, Craig Applicant: Richmond, Craig Applicant: Roesch, Eric Applicant: Scherril, Christopher Applicant: British OF INVENTION: Solid Support Assay Systems and Methods Utilizing No. 6977161-Natt TITLE OF INVENTION: Solid Support Assay Systems and Methods Utilizing No. 6977161-Natt TITLE OF INVENTION: Solid Support Assay Systems and Methods Utilizing No. 6977161-Natt TITLE OF INVENTION: Solid Support Assay Systems and Methods Utilizing No. 6977161-Natt TITLE OF INVENTION NUMBER: US/09/977,615B CURRENT FILING DATE: 2001-10-15 PRIOR PLICATION NUMBER: 60/280,831 PRIOR FILING DATE: 2001-04-10 PRIOR PLICATION NUMBER: 60/280,831 PRIOR PLICATION NUMBER: 60/280,259 PRIOR PLICATION NUMBER: 60/290,259 PRIOR PLICATION NUMBER: 60/290,259
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                35.0%; Score 7; DB 1; Length 10; 100.0%; Pred. No. 53; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Kerem, Bat-Sheva
APPLICANT: Kerem, Bat-Sheva
APPLICANT: Buchwald, Manuel
APPLICANT: Collins, Francis S.
APPLICANT: Innuzzi, Michael C.
Tyles of INVENTION: Cyeic Fibrosis Gene
TITE REFERENCE: 1329.0010004
CURRENT FILING DATE: 1994-06-02
CURRENT FILING DATE: 1994-06-02
PRIOR APPLICATION NUMBER: US 08/123,864
PRIOR FILING DATE: 1993-09-20
PRIOR FILING DATE: 1999-08-31
PRIOR FILING DATE: 1999-08-31
PRIOR FILING DATE: 1999-08-24
PRIOR FILING DATE: 1999-08-24
PRIOR FILING DATE: 1999-08-24
PRIOR FILING DATE: 1999-08-24
PRIOR FILING DATE: 1999-08-22
NUMBER OF SEQ ID NOS: 47
SOFTWARE: PatentIn version 3.2
SENGTH: 10
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Patent No. 6977161
PARERAL INFORMATION:
APPLICANT: EraGen Biosciences, Inc.
                                                                                                                                                                                                         Sequence 46, Application US/08252778 Patent No. 6902907
                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 7; Conservative
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US-09-977-615B-54
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APPLICANT: Schneider, Eberhard
APPLICANT: Windhab, No. 689382bert
TITLE OF INVENTION: Sorting and immobilization System for Nucleic Acids Using Synthet
TITLE OF INVENTION: Binding Systems
FILE REFERENCE: 264/217 Nanogen Recognomics
CURRENT APPLICATION NUMBER: US/09/910,469
CURRENT PILLING DATE: 2001-07-19
NUMBER OF SEQ ID NOS: 184
SQCTWARE: Patentin version 3.1
SEQ ID NO 75
LENGTH: 10
TVDF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Schweitzer, Markus
APPLICANT: Anderson, Richard R.
APPLICANT: Anderson, Richard R.
APPLICANT: Anderson, Schweitzer, Machael
APPLICANT: Flechtner, Michael
APPLICANT: Flechtner, Michael
APPLICANT: Flechtner, March
APPLICANT: Bruecher, Christoph
APPLICANT: Pinoth, March
APPLICANT: Pinoth, March
APPLICANT: Pinother, Ebefan
APPLICANT: Pinother, Schweider, Eberhard
APPLICANT: Pinother, Ware
APPLICANT: Pinother, Ware
APPLICANT: Pinother, Ware
APPLICANT: Pinother, Ware
APPLICANT: Mindhab, No. 6893822bert
TITLE OF INVENTION: Buiding Systems
FILE REFERENCE: 264/217 Namogen Recognomics
CURRENT APPLICATION NUMBER: US/09/910,469
CURRENT FILING DATE: 2001-07-19
NUMBER OF SEQ ID NOS: 184
SOFTWARE: Patentin Version 3.1
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Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 35.0%; Score 7; DB 1
Best Local Similarity 100.0%; Pred. No. 53;
Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INPORMATION: Synthetic binding system | NAME/KEY: modified base | LOCATION: (1)...(10) | CTHER INFORMATION: pyranosyl RNA US-09-910-469-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Synthetic binding system NAME/KEY: modified base LOCATION: (1)..(10); LOCATION: (1)..(10); OTHER INFORMATION: pyranosyl RNA US-09-910-469-76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 155
US-09-910-469-76
// Sequence 76, Application US/09910469
// Patent No. 693822
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ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11 ACATGGA 17
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic US-09-853-409-29
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APPLICANT: Hanna, Michael C.
APPLICANT: Kirkness, Ewen F.
TITLE OF INVENTION: GABAA Receptor Epsilon Subunit
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW, Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005-3994
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MEDIUM TYRABABLE FORM:
MEDIUM TYRE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/09/030,832
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Steffe, Eric K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0950001/EKS/SGW
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 35.0%; Score 7; DB 1; Best Local Similarity 100.0%; Pred. No. 53; Matches 7; Conservative 0; Mismatches
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No. 6995146aki, Chikateru
Dorr, F. Andrew
Kwoh, T. Jesse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-030-832-23/c
; Sequence 23, Application US/09030832
Patent No. 7029870
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
FILING DATE: 03-JUL-1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: Herewith
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Matches
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Pred. No. 53;
0; Mismatches
                                                                                  FEATURE:
OTHER INFORMATION: synthetic oligonucleotide
FEATURE:
LOCATION: (4)...(4)
OTHER INFORMATION: n represents iso-cytosine
                                                                                                                                                                                                 ; NAME/KEY: modified_base
; LOCATION: (9)..(9)
; OTHER INFORMATION: n represents iso-cytosine
US-09-977-615B-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             35.0%; Score 7; DB 1
100.0%; Pred. No. 53;
tive 0; Mismatches
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CURRENT FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: PCT JP00 07373
PRIOR FILING DATE: 2000-10-23
PRIOR PILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn version 3.1
SEQ ID NO 6
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: UENO, Takashi
APPLICANT: UENO, Takashi
APPLICANT: TANAKA, Keiji
APPLICANT: TANAKA, Keiji
APPLICANT: TANAKA, Keiji
APPLICANT: UENO, Mitsuhiro
APPLICANT: FUJINAGA, Kei
APPLICANT: ASADA, Kiyozo
APPLICANT: ASADA, Kiyozo
APPLICANT: KATO, Ikunoshin
TITLE OF INVENTION: GENE TRANSFER METHOD
FILE REFERENCE: UENO=9
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Patent No. 6995146
GENERAL INFORMATION:
APPLICANT: Anderson, Kevin P.
APPLICANT: Hanecak, Ronnie C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 6, Application US/10111708
Patent No. 6995010
GENERAL INFORMATION:
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; OTHER INFORMATION: ECORV linker
US-10-111-708-6
   SOFTWARE: PatentIn version 3.2
SEQ ID NO 54
                                                                                                                                                                                                                                                                                              Query Match 35.0%;
Best Local Similarity 87.5%;
Matches 7; Conservative
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Best Local Similarity 100.
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                                                     TYPE: DNA
ORGANISM: Artificial
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Search completed: November 22, 2006, 14:05:03 Job time : 1 secs

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5256545
Patent No. 5256545
APPLICANT: BROWN, MICHAEL S.;GOLDSTEIN, JOSEPH L.;RUSSELL,
BAUID W.;SUDHOF, THOMAS C.
TITLE OF INVENTION: STEROL REGULATORY ELEMENTS
NUMBER OF SEQUENCES: 42
CURRENT APPLICATION DATA:
PILING DATE: 20-OCT-1989
PRICA APPLICATION NUMBER: US/07/425,852
PRICA APPLICATION NUMBER: 33,330
PRICATION NUMBER: 33,330
PRICATION NUMBER: 33,081
PILING DATE: 30-MAR-1987
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llarity 87.5%; Pred. No. 72;
Conservative 0; Mismatches 1; Indels
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PAPLICANT: BUELL, GARY N.; MOVVA, NAAGESWARARAO

TITLE OF INVENTION: PRODUCTION OF HUMAN SOMATOMEDIN C
NUMBER OF SEQUENCES: 7

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/81,979

FILING DATE: 23-UN-1993

PRICH APPLICATION DATA:

APPLICATION NUMBER: 965,047

FILING DATE: 15-MR-1990

APPLICATION NUMBER: 966,046

FILING DATE: 15-MR-1990

PILING DATE: 15-NOV-1986
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                                                                                                                                                                                         35.0%; Score 7; DB 1; Length 10; 100.0%; Pred. No. 53; tive 0; Mismatches 0; Indels
        INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDENESS: double
TOPOLOGY: linear
TOPOLOGY: linear
(202) 371-2600
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Best Local Similarity 100.
Matches 7, Conservative
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Matches 7; Conservative
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                                                                                                           ; Search time 0.001 Seconds (without alignments) 92.160 Million cell updates/sec
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GenCore version 5.1.9 (c) 1993 - 2006 Biocceleration Ltd.
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Maximum Match 1008
Listing first 192 summaries
                                                                                                                 November 22, 2006, 13:59:33
                                                                         - nucleic search, using sw model
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ABT38435
ADW14071
ABN07620
ACN12001
ACN70710
AAF51883
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ABV70944 Human skin EST 873 ABV66624 Human skin EST 441 ABV67607 Human skin EST 539 ABV71790 Human skin EST 356 ABV69736 Human skin EST 752 ADA44629 Human skin EST 752 ADA13996 Human methyl-CpG-b ADQ35891 Human methyl-CpG-b ADQ35434 Human hair-bearing ADQ35336 Human hair-bearing ADQ35336 Human hair-bearing ADQ35336 Human hair-bearing ADQ35336 Human shair-bearing ADQ35336 Human shair-bearing ADQ35336 Human shair-bearing ADQ35336 Human shair-bearing ADQ35336 SiRNA production-r	ALIGNMENTS	35 (first entry) oligonucleotide (ISIS 330449) for human HIFlalpha.	Antisense therapy, human; hypoxia-inducible factor 1 alpha; hypoxia-inducible factor 2 alpha; HIFlalpha; HIFlalpha; hypoxia-inducible factor 2 alpha; HIFlalpha; HIFlalpha; hyperpoliferative disorder; cancer; p53; angiogenic disorder; pset disorder; tumour; hyperplasia; plumonary fibrosia; angiogenesis; psoriasis; atherosclerosis; smooth muscle cell proliferation; blood vessel; restenosia; angioplasty; cytostatic; angiogenesis; ophthalmological; antiinflammatory; respiratory; vasotropic; ss.		Ward DT, Dobie KW, Marcusson EG, Freier SM; WPI; 2004-774955/76. New antisense compound which inhibits the expression of hypoxia-inducible factor 1 alpha (HIF1 alpha) and/or HIF2 alpha, useful for treating hyperproliferative disorder, e.g. cancer carrying a p53 mutation. Claim 92; SEQ ID NO 446; 195pp; English.	The present invention relates to antisense compounds targeted to nucleic acids encoding hypoxia-inducible factor 1 alpha (HIFlalpha) and/or hypoxia-inducible factor 2 alpha (HIFlalpha). The antisense compound comprises an antisense oligonuclectide that specifically hybridises with the nucleic acid and inhibits the expression of HIFlalpha and/or HIFLalpha. The antisense oligonuclectide is a chimeric oligonuclectide. The antisense oligonuclectide comprises at least one modified internucleoside linkage, preferably a phosphorchhoate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-0-methoxyethyl (2'-MOB) sugar moiety. The antisense oligonuclectide further comprises at least one modified nucleobase, preferably a 5-comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonuclectides are useful for the
1 ABV70 1 ABV67 1 ABV67 1 ABV67 1 ABV69 1 ADA44 1 ADA13 1 ADQ35 1 ADQ35 1 ADQ35 1 ADQ35	В. Р.	sisi)	hypox 2 alph er; ca erplas erplas 8; smo angio	370.	Marcusson EG, nd which inhib alpha) and/or sorder, e.g. 146; 195pp; En	ates tancibl ducibl ducibl diffed colidon cide colidon tride colidon diffed diffed
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000000000000 0000000000000 0000000000	ndard;	(first	erapy; cible f rative ; tumou therosc ; reste ical; a	1004. 1003; 2003US 1002; 2002US WARD D T. MARCUSSON E FREIER S M.	Dobie KW, 774955/76 nae compo llpha (HIR ferative SEQ ID NO	inventi ng hypo cible f antise acid an he anti e oligo ide linn least (2'-MO
77777777777777777777777777777777777777	T 1 875 ADT78875 standard; DNA;	ADT78875; 27-JAN-2005 Antisense ol	Antisense the hypoxia indus hypoxia indus hyperprolife: eye disorder poxiasis; a blood vessel ophthalmolog:	0 0 0 0	Ward DT, Dobie KW, Marcusse WPI; 2004-774955/76. New antisense compound which factor 1 alpha (HIR1 alpha) A hyperproliferative disorder, Claim 92; SEQ ID NO 446; 1955	resent encodi ia-indu ises an ucleic Ipha. This ises at the control is an ucleos at the control is at
180 181 181 182 183 184 186 187 190 190	RESULT 1 ADT78875 ID ADT78	ADT78875; 27-JAN-200 Antisense	Antis hypox hyper eye d psori blood ophch Homo	US20042 04-NOV- 21-NOV- 23-NOV- (WARD/) (DOBI/) (MARC/)	Ward DT, WPI; 200. New antil factor 1 hyperpro	The pacids acids hypox compr the a linter compr metho compr metho compr metho
0 0 0 0	RES ADT ID	BXHXAX	X O X X X X X X X X X X X X X X X X X X	8	\$ I \$ B \$ B \$ B \$ B \$ S	\$8888888888888
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onuc onuc form form form form form form form form	Mouse SLC26A6 anio Rat VRI exon 1d tr MJTP/USP promoter Synthetic RNA 8mer A. thallana primer Synthetic DNA 9mer Synthetic RNA 9mer	-4 Zir 3 nef 3 nef 3 nef 3 nef 556 fc	Binding site BSN5- Adapter primer oli Random 10-mer prim Barley HPPD primer Differential displ Human dendritic ce Human dendritic ce Human dendritic breast D24 randomer used Protein binding se	Human IL4 allele-s Yeast NORF gene SA Yeast NORF gene SA Pain regulated gen Human maturation/a Primer-extension o Human PON-1 gene p Human HTR5A gene a Human PCDH-2 ASO PC SMOH polymorphism	Optimenting promote thuman CETP gene al CD15+ myeloid cell Human pre Cinnamom Breast cancer dete Human skin stress/ Human skin SET 513 Nucleotide sequenc ESR-alpha gene Liv	Human CYP3AS gene Human CYP3AS gene Murine VR1 exon id Human SNP detectio Anticancer duplex Murine MRL SAGE ta Murine CS7BL/6 SAG Human skin EST 496 Human skin EST 400 Human skin EST 4101 Human skin EST 410
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preferably a cancer carrying a p53 mutation, or an angiogenic disorder preferably a cancer carrying a p53 mutation, or an angiogenic disorder that affects the eye. The compound is also useful for treating tumours, hyperplasias, pulmonary fibrosis, angiogenesis, psoriasis, atheroselerosis and smooth muscle cell proliferation in the blood vessels such as stenosis or restenosis following angioplasty. It is also useful in drug discovery and target validation, and can be utilised for disgnostics, therapeutics, prophylaxis and as research reagents and kits. The present sequence represents an oligonucleotide used in the examples of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound which inhibits the expression of hypoxia-inducible factor 1 alpha (HIF1 alpha) and/or HIF2 alpha, useful for treating hyperproliferative disorder, e.g. cancer carrying a p53 mutation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to antisense compounds targeted to nucleic acids encoding hypoxia-inducible factor 1 alpha (HIFlalpha) and/or hypoxia-inducible factor 2 alpha (HIFlalpha). The antisense compound comprises an antisense oligonucleotide that specifically hybridises with the nucleic acid and inhibits the expression of HIFlalpha and/or HIFLalpha. The antisense oligonucleotide is a chimeric oligonucleotide. The antisense oligonucleotide comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also
                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antisense therapy, human; hypoxia-inducible factor 1 alpha; hypoxia-inducible factor 2 alpha; HIFlalpha; HIF2alpha; hypoxia-inducible factor 2 alpha; HIFlalpha; HIF2alpha; hypoxia-proliferative disorder; cancer; p33; angiogenic disorder; eye disorder; tumour; hyporplania; pulmonary fibrosis; angiogenesis; psoriasis; atherosclerosis; smooth muscle cell proliferation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      blood vessel; restenosis; angioplasty; cytostatic; angiogenesis;
ophthalmological; antiinflammatory; respiratory; vasotropic; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Antisense oligonucleotide (ISIS 330448) for human HIFlalpha.
                                                                                                                                                                                                                                                                       DB 1; Length 20;
                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                   Sequence 20 BP; 5 A; 5 C; 5 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                       100.0%; Score 20; DB 1; 100.0%; Pred. No. 0.94;
                                                                                                                                                                                                                                                                                                                 0; Mismatches
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                                                                                                                                                                                                                                                                                                               20; Conservative
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(DOBI/) DOBIE K W.
(MARC/) MARCUSSON E G.
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Best Local Similarity
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comprises at least one modified sugar moiety, preferably a 2'-0-
methoxyethyl (2'-MOE) sugar moiety. The antisense oligonucleotide further
comprises at least one modified nucleobase, preferably a 5-
methylcytosine. The antisense oligonucleotides are useful for the
comprises such as hyperproliferative disorders, e.g. cancer,
creatment of diseases such as hyperproliferative disorders, e.g. cancer,
creatment of diseases und a special proliferation or an angiogenic disorder
creatment of diseases por mopound is also useful for treating tumours,
that affects the eye. The compound is also useful for treating tumours,
characterosis and smooth muscle cell proliferation in the blood vessels
such as stenosis or restenosis following angioplasty. It is also useful
cin drug discovery and target validation, and can be utilised for
diagnostics, therapeutics, prophylaxis and as research reagents and kits.
The present sequence represents an oligonucleotide used in the examples
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Antisense therapy; human; hypoxia-inducible factor 1 alpha; hypoxia-inducible factor 2 alpha; HIFlalpha; HIFlalpha; HIFlalpha; hyperproliferative disorder; cancer; p53; andiogent disorder; eye disorder; tumour; hyperplasia; plumonary fibrosis; angiogenesis; psoriasis; atherosclerosis; smooth muscle cell proliferation; blod vessel; restenosis; angioplasty; cytostatic; anglogenesis; phosphthalmological; antiinflammatory; respiratory; vasotropic; mouse; rat; phosphorothioate; ss.
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/note= "Phosphorothioate backbone. All cytidines are 5-
methylcytidines"
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/mod_base= OTHER
/mod_base= 12'-O-Methoxyethyl (2'-MOE) nucleotides"
16. .20
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                                                                                                                                                                                                                                                                                                  95.0%; Score 19; DB 1; Length 20; 100.0%; Pred. No. 1.5;
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Best Local Similarity
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modified base
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RESULT 5
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 MAKE KE KE KE KE
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                                                                                                                                                                                                                       The present invention relates to antisense compounds targeted to nucleic acids encoding hypoxia-inducible factor 1 alpha (HIFLalpha) and/or hypoxia-inducible factor 2 alpha (HIFLalpha) and/or hypoxia-inducible factor 2 alpha (HIFLalpha) and/or comprises an antisense oligonucleotide that specifically hybridises with the nucleic acid and inhibits the expression of HIFLalpha and/or the antisense oligonucleotide is a chimeric oligonucleotide. The antisense oligonucleotide comprises at least one modified comprises at least one modified supar moiety, preferably a 2'-0-comprises at least one modified supar moiety, preferably a 5'-0-comprises at least one modified nucleobase, preferably a 5'-0-comprises at least one modified nucleobase, preferably a 5'-0-comprises at least one modified nucleobase, preferably a 5'-0-comprises at least one modified supar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5'-0-comprises and smooth muscle call proliferation in the blood vessels such as stenosis following angioplasty. It is also useful in drug discovery and target validation, and sure butilised for the mass at an angiogenic and butilised for the present sequence represents an antisense oligonucleotide used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                             New antisense compound which inhibits the expression of hypoxia-inducible factor 1 alpha (HIF1 alpha) and/or HIF2 alpha, useful for treating nyperproliferative disorder, e.g. cancer carrying a p53 mutation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Antisense oligonucleotide (ISIS 337224) for human HIFlalpha/HIF2alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antisense therapy; human; hypoxia-inducible factor 1 alpha; hypoxia-inducible factor 2 alpha; HFRalpha; HFRalpha; HRASAlpha; HRASAlpha; HRASAlpha; HRASAlpha; HRASAlpha; HRASAlpha; HRASALPHA; HRASALPHA; HASPOXIA; SANCAL, TANGORENIC GISOCHER; ENGORENIC PARTISES; ANGIOGENERY; ENGORIN MUSCLE CELL PERIFERATION; PARTISES, ANGIOGIASTY; CYCOSTATIC; ANGIOGENERS; OPHTHALMOLOGICAL; ANTINFILMMATORY; RESPIRATORY; VASORIOPIC; SS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Bast Local Similarity 100.0%; Pred. No. 1.5;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 4 A; 5 C; 5 G; 6 T; 0 U; 0 Other;
                                                                Marcusson EG, Freier SM;
                                                                                                                                                                                            Claim 27, 8EQ ID NO 141, 195pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            examples of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CCTCATGGTCACATGGATG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CCTCATGGTCACATGGATG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADT78881 standard; DNA; 20 BP
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/mod_base= i
14
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(DOBI/) DOBIE K W.
(MARC/) MARCUSSON E G.
(FREI/) FREIER B M.
                                                                Ward DT, Dobie KW,
                                                                                                WPI; 2004-774955/76.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADT78881;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 4
ADT78881
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The present invention relates to antisense compounds targeted to nucleic acids encoding hypoxia-inducible factor 1 alpha (HIFIalpha) and/or hypoxia-inducible factor 2 alpha (HIFIalpha) the and/or hypoxia-inducible factor 2 alpha (HIFIalpha). The antisense compound comprises an antisense oligonucleotide that specifically hybridises with the nucleic acid and inhibits the expression of HIFIalpha and/or HIFIalpha. The antisense oligonucleotide comprises at least one modified comprises at least one modified comprises at least one modified sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-0-0 methoxyethyl (2'-MOE) sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-0-0 methylorycosine. The antisense oligonucleotides are useful for the creatment of diseases such as hyperpoliferative disorders, e.g. cancer, preferably a cancer carrying a p53 mutation, or an angiogenic disorder, hyperplasias, pulmonary fibrosis, and somethyloriasis, also useful for treating tumours, hyperplasias at stenosis or restenosis following angioplasty. It is also useful in drug discovery and target validation, and can be utilised for diagnostics, therapeutics, prophylaxis and as research reagents and kits. The present sequence represents an oligonucleotide used in the examples
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense compound which inhibits the expression of hypoxia-inducible factor 1 alpha (HIP1 alpha) and/or HIF2 alpha, useful for treating hyperproliferative disorder, e.g. cancer carrying a p53 mutation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Antisense therapy, human, hypoxia-inducible factor 1 alpha, hypoxia-inducible factor 2 alpha, HIFlalpha, HIF2alpha;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90.0%; Score 18; DB 1; Length 20; 90.0%; Pred. No. 2.3; 2; Indels iive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 4 A; 5 C; 5 G; 4 T; 0 U; 2 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Marcusson EG, Freier SM;
                                  /note= "OTHER= Pseudouridine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 30; SEQ ID NO 452; 195pp; English
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/mod base= OTHER
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                                                                                                                                                                                                                                                                                       21-NOV-2003; 2003US-00719370
                                                                                                                                                                                                                                                                                                                                                                      23-NOV-2002; 2002US-00304126
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Best Local Similarity 90.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (WARD/) WARD D T.
(DOBI/) DOBIE K W.
(MARC/) MARCUSSON E G.
(FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dobie KW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-774955/76.
                                                                                                                      US2004220393-A1
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Human HIF-1 antisense oligonucleotide RX-0041.

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the nucleic acid and inhibite the expression of Highalpha and/or the nucleic acid and inhibite the expression of Highalpha and/or Highalpha. The antisense oligonucleotide is a chimeric oligonucleotide comprises at least one modified comprises at least one modified sugar moiety, preferably a 2'-0- comprises at least one modified sugar moiety, preferably a 2'-0- comprises at least one modified sugar moiety, preferably a 2'-0- comprises at least one modified nucleobase, preferably a 2'-0- comprises at least one modified nucleobase, preferably a 2'-0- methylcytosine. The antisense oligonucleotides are useful for the comprises such as hyperproliferative disorders, e.g. cancer, preferably a cancer carrying a p53 mutation, or an angiogenic disorder, that affects the eye. The compound is also useful for treating tumours, hyperplasias, pulmonary fibrosis, angiogenesis, psoriasis, activated such as stenosis and smooth muscle cell proliferation in the blood vessels such as stenosis or restenosis following and can be utilised for in drug discovery and target validation, and can be utilised for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense compound which inhibits the expression of hypoxia-inducible factor 1 alpha (HIF1 alpha) and/or HIF2 alpha, useful for treating hyperproliferative disorder, e.g. cancer carrying a p53 mutation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   diagnostics, therapeutics, prophylaxis and as research reagents and kits.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to antisense compounds targeted to nucleic acids encoding hypoxia-inducible factor 1 alpha (HIF1alpha) and/or hypoxia-inducible factor 2 alpha (HIF2alpha). The antisense compound comprises an antisense oligonucleotide that specifically hybridises with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present sequence represents an oligonucleotide used in the examples of the present invention.
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hyperproliferative disorder, cancer, p53; angiogenic disorder; eye disorder; tumour; hyperplasia; pulmonary fibrosis; angiogenesis; psoriasis; atherosclerosis; smooth muscle cell proliferation; blood vessel; restenosis; angioplasty; cytostatic; angiogenesis; ophthalmological; antiinflammatory; respiratory; vasotropic; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20 BP; 5 A; 3 C; 6 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 92; SEQ ID NO 445; 195pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Marcusson EG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20
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                                                                                                                                                                                                                                                                           21-NOV-2003; 2003US-00719370.
                                                                                                                                                                                                                                                                                                                     23-NOV-2002; 2002US-00304126.
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Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                          (WARD/) WARD D T.
(DOBI/) DOBIE K W.
(MARC/) MARCUSSON E G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ward DT, Dobie KW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-774955/76
                                                                                                                                                                                                                                                                                                                                                                                                                                  FREI/) FREIER S M.
                                                                                                                                                                                     US2004220393-A1.
                                                                                                                                           Homo sapiens.
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ADQ88746 standard; DNA; 20 BP

RESULT 6 ADQ88746

21-OCT-2004 (first entry)

ADQ88746;

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                                                                                                                                                                                                                                                                                                                                                                                                                     New RX-0047 and RX-0149 antisense oligonucleotide compounds targeted to a nucleic acid molecule encoding human hypoxia inducible factor (HIF-1), useful for inhibiting expression of HIF-1 and inducing cytotoxicity in several cancer cells.
                      RX-0047, RX-0149, human; hypoxia inducible factor; HIF-1; cytotoxicity;
cancer; infection; inflammation; tumour formation; ss;
antisense oligonucleotide; antisense technology; RX-0158; RX-0041.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antisense oligonucleotide (ISIS 337223) for human HIFlalpha/HIF2alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antisense therapy; human; hypoxia-inducible factor 1 alpha; hypoxia-inducible factor 2 alpha; HIFlalpha; HIFlalpha; HIFlalpha; hyperproliferative disorder; cancer; p53; angiogenic disorder; eye disorder; tumour; hyperplasia; pulmonary fibrosis; angiogenesis; psoriasis; atherosclerosclerosis; smooth muscle cell proliferation;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 6 A; 3 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                         Jiang X;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 4; SEQ ID NO 26; 35pp; English.
                                                                                                                                                                                                                                                                                                                                                         Ahn C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP.
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                                                                                                                                                                                         28-JAN-2004; 2004US-00766185
                                                                                                                                                                                                                        31-JAN-2003; 2003US-0444367P.
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                                                                                                                                                                                                                                                                                                                                                         Lee YB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 100.
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-561492/54.
                                                                                                                                                                                                                                                                        MAO L.
LEE Y B.
AHN C.
                                                                                                                                                                                                                                                                                                                                                         Mao L,
                                                                                                                                                                                                                                                                                                                         JIANG X.
                                                                                                                          US2004152655-A1
                                                                                                                                                                                                                                                        YOON H.
                                                                                             Homo sapiens
                                                                                                                                                           05-AUG-2004.
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                                                                                                                                                                                                                                                                                                          (AHNC/) /
                                                                                                                                                                                                                                                                                                                                                           toon H,
                                                                                                                                                                                                                                                        (XOON/)
                                                                                                                                                                                                                                                                         (MAOL/)
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ID ADT7
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ADT78872 standard; DNA; 20 BP.

27-JAN-2005 (first entry)

ADT78872;

Wed Nov 22 13:59:49 2006

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The present invention relates to antisense compounds targeted to nucleic acids encoding hypoxia-inducible factor 1 alpha (HIFIalpha) and/or hypoxia-inducible factor 1 alpha (HIFIalpha) and/or comprises an antisense oligomucleotide that specifically hybridises with the nucleic acid and inhibits the expression of HIFIalpha and/or HIFIalpha and/or The antisense oligomucleotide is a chimeric oligomucleotide. The antisense oligomucleotide is a chimeric oligomucleotide. The antisense oligomucleotide sugar motery, preferably a 2'-O-methoxyethyl (2'-MOE) sugar motery. The antisense oligomucleotide further comprises at least one modified sugar motery. The antisense oligomucleotide further comprises at least one modified sugar motery. The antisense oligomucleotide further comprises at least one modified sugar motery. The antisense oligomucleotides are useful for the reatment of diseases such as hyperproliferative disorders, e.g. cancer, preferably a cancer arrying a p3 mutation, or an anglogenic disorder. The compound is also useful for treating tumours, the set of the se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense compound which inhibits the expression of hypoxia-inducible factor 1 alpha (HIF1 alpha) and/or HIF2 alpha, useful for treating hyperproliferative disorder, e.g. cancer carrying a p53 mutation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        diagnostics, therapeutics, prophylaxis and as research reagents and kits The present sequence represents an oligonucleotide used in the examples
blood vessel; restenosis; angioplasty; cytostatic; angiogenesis; ophthalmological; antiinflammatory; respiratory; vasotropic; ss.
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                                                                                                                                                                                                                                                                                        /*tag= b
/mod_base= OTHER
/note= "OTHER= Pseudouridine"
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                                                                                                                                             Location/Qualifiers
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/mod_base= i
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (WARD/) WARD D T.
(DOBI/) DOBIE K W.
(MARC/) MARCUSSON E G.
(FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ward DT, Dobie Kw,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI, 2004-774955/76
                                                                                                                                                                                                                                                                                                                                                                                                             US2004220393-A1
                                                                                                                                             Key
modified_base
                                                                                                                                                                                                                                                             modified_base
                                                                                          Homo sapiens
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The present invention relates to antisense compounds targeted to nucleic acids encoding hypoxia-inducible factor 1 alpha (HIFJalpha) and/or hypoxia-inducible factor 2 alpha (HIFJalpha). The antisense compound comprises an antisense oligonucleotide that specifically hybridises with England and inhibits the expression of HIFJalpha and/or HFZalpha. The antisense oligonucleotide is a chimeric oligonucleotide. The antisense oligonucleotide comprises at least one modified comprises at least one modified sugar moiety. The antisense oligonucleotide comprises at least one modified sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-0-0 methoxyethyl (2'-WDE) sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-0-0 methoxyethyl (2'-WDE) sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-0-0 methoxyethyl (2'-WDE) sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-0-0 methoxyethyl (2'-WDE) sugar moiety. The antisense oligonucleotide are useful for the carefunction as hyperpoliferative disorders, e.g. cancer, preferably a cancer carrying a p53 mutation, or an angiogenic disorder, hyperplasias pulmonary fibrosis, angiogenesis, properiasis, whyperplasias and smooth muscle cell proliferation in the blood vessels canches at stenosis and target validation, and can be utilised for the the present sequence represents an oligonucleotide used in the examples
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound which inhibits the expression of hypoxia-inducible factor I alpha (HIF1 alpha) and/or HIF2 alpha, useful for treating hyperproliferative disorder, e.g. cancer carrying a p53 mutation.
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                                                                                                                                                                          Antisense therapy; human; hypoxia-inducible factor I alpha; hypoxia-inducible factor 2 alpha; HIFIalpha; HIF2alpha; HIF2alpha; hypoxia-inducible factor 2 alpha; HIFIalpha; HIF2alpha; hypoxia-inducible disorder; cancer; p53; angiogenic disorder; eye disorder; tumour; hyperplasia; pulmonary fibrosis; angiogenesis; psoriasis; atheroselarosia; angoth muscle cell proliferation; blood vessel; restenosis; angioplasty; cytostatic; angiogenesis; ophthalmological; antinflammatory; respiratory; vasotropic; ss.
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                                                                                                                                  Antisense oligonucleotide (ISIS 330460) for human HIF2alpha.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 4 A; 5 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Marcusson EG, Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 92; SEQ ID NO 443; 195pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CCTCATGGTCACATGGATGA 20
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Best Local Similarity 90.0.
Best Local 81 Conservative
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MARCUSSON E G.
FREIER S M.
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                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
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(MARC/)
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Gaps

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85.0%; Score 17; DB 1; Length 20; ilarity 89.5%; Pred. No. 3.7; Conservative 0; Mismatches 2; Indels

Local Similarity

Query Match Best Loca CCTCATGGTCACATGGATG 19 ccrcargercncanggarg 20

RESULT 8 Ant78872

16

1 CCTCATGGTCACATGG

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New antisense compound which inhibits the expression of hypoxia-inducible factor 1 alpha (HIF1 alpha) and/or HIF2 alpha, useful for treating hyperproliferative disorder, e.g. cancer carrying a p53 mutation.
                                                                                                                        hypoxia-inducible factor 2 alpha; HiFlalpha; HiFlalpha; hyperproliferative disorder; cancer; p53; angiogenic disorder; eye disorder; tumour; hyperplasia; pulmonary fibrosis; angiogenesis; psoriasis; atherosclerosis; smooth muscle cell proliferation; blood vessel; reetenosis; angioplasty; cytostatic; angiogenesis; ophthalmological; antinflammatory; respiratory; vasotropic; ss.
                                                                                        Antisense oligonucleotide (ISIS 330452) for human HIFlalpha.
                                                                                                              Antisense therapy; human; hypoxia-inducible factor 1 alpha;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seguence 20 BP; 4 A; 5 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                        Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 92; SEQ ID NO 448; 195pp; English.
                                                                                                                                                                                                                                                                                                                                                                                        Marcusson EG,
                     ADT78877 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                 21-NOV-2003; 2003US-00719370.
                                                                                                                                                                                                                                                                                                        23-NOV-2002; 2002US-00304126.
                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           of the present invention.
                                                                                                                                                                                                                                                                                                                             WARD D T.
DOBIE K W.
MARCUSSON E G.
                                                                                                                                                                                                                                                                                                                                                      (MARC/) MARCUSSON E
(FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                        Ward DT, Dobie KW,
                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-774955/76
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                                                                                                                                                                                                            Homo sapiens.
                                                                 27-JAN-2005
                                                                                                                                                                                                                                                         04-NOV-2004.
                                           ADT78877;
                                                                                                                                                                                                                                                                                                                                WARD/)
                                                                                                                                                                                                                                                                                                                                           DOBI/)
RESULT 9
            ADT7887
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The present invention relates to antisense compounds targeted to nucleic acids encoding hypoxia-inducible factor 1 alpha (HIFlalpha) and/or whooxia-inducible factor 2 alpha (HIFlalpha) and/or comprises an antisense oligomucleotide that specifically hybridises with the nucleic acid and inhibits the expression of HIFlalpha and/or: HIFLalpha. The antisense oligomucleotide is a chimeric oligomucleotide. HIFLalpha and/or: The antisense oligomucleotide comprises at least one modified comprises at least one modified sugar moiety, preferably a 2'-0-comprises at least one modified sugar moiety, preferably a 5-comprises at least one modified sugar moiety, preferably a 5-comprises at least one modified nucleobase, preferably a 5-comprises and least so antisense oligomucleotides are useful for the reather of diseases such as hyperproliferation, or an angiogenic disorder that affects the eye. The compound is also useful for treating tumours, preferably a cancer carrying a p53 mutation, or an angiogenic disorder that affects the eye. The compound is also useful for treating tumours, and preparate and smooth muscle call proliferation in the blood vessels such as stenosis or restenosis following angiopalasty. It is also useful and and target and any argument and any argument of all proliferation in the horavely and and target walldation, and can be utilised for the analyse of the proportion and any argument of any and argument of any argument of any and any argument of any and any argument of any argument of any and argument of any argument of any argument and a propagal and any argument and argument and argument and ar
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Sequence 20 BP; 3 A; 5 C; 7 G; 5 T; 0 U; 0 Other;

.. 0

Gaps

.. 0

80.0%; Score 16; DB 1; Length 20; ilarity 100.0%; Pred. No. 5.9; Conservative 0; Mismatches 0; Indels

Local Similarity les 16; Conserv

Best Loca Matches

Query Match

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The present invention relates to antisense compounds targeted to nucleic acids encoding hypoxia-inducible factor 1 alpha (HFIalpha) and/or whoxia-inducible factor 2 alpha (HFIalpha). The antisense compound comprises an antisense oligonucleotide that specifically hybridises with the nucleic acid and inhibits the expression of HFIalpha and/or the nucleic acid and inhibits the expression of HFIalpha and/or THE antisense oligonucleotide comprises at least one modified.

THE alpha. The antisense oligonucleotide is a chimeric oligonucleotide. The antisense oligonucleotide internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-0-cc methoyschyl (2'-MOE) sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5'-0-cc methylcytosine. The antisense oligonucleotides are useful for the treatment of diseases such as hyperproliferative disorders, e.g. cancer. Comprises and pass mutation, or an angiogenic disorder chat affects the eye. The compound is also useful for treating tumours, hyperplasias, pulmonary fibrosis, angiogenesis, psoriasis, and anoth muscle call proliferation in the blood vessels and smooth muscle call proliferation in the also useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound which inhibits the expression of hypoxia-inducible factor I alpha (HIFI alpha) and/or HIF2 alpha, useful for treating hyperproliferative disorder, e.g. cancer carrying a p53 mutation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        diagnostics, therapeutics, prophylaxis and as research reagents and kits. The present sequence represents an oligonucleotide used in the examples
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                                                                                                                                                                                                                                                                                        Antisense therapy, human; hypoxia-inducible factor 1 alpha; hypoxia-inducible factor 2 alpha; HIFlalpha; HIFlalpha; hyperproliferative disorder; cancer; p53; anglogenic disorder; eye disorder; tumour; hyperplasia; pulmonary fibrosis; anglogenesis; psoriasis; atherosclerosis; smooth muscle cell proliferation; blood vessel; restenosis; angloplasty; cytostatic; anglogenesis; ophthalmological; antiinflammatory; respiratory; vasotropic; ss.
                                                                                                                                                                                                                                             Antisense oligonucleotide (ISIS 326743) for human HIF2alpha.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 92; SEQ ID NO 450; 195pp; English.
                                                                                                              ADT78879 standard; DNA; 20 BP
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ccrcarecrcacares 20
                                                                                                                                                                                                   27-JAN-2005 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (WARD/) WARD D T.
(DOBI/) DOBIE K W.
(MARC/) MARCUSSON E G
(FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Dobie KW,
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                                                                      RESULT 10
                                                                                         ADT78879
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US10719370A-446.rng.sl

88; short interfering RNA; siRNA; gene silencing; RNA interference; hypoxia inducible factor 1; cancer; hyperproliferation; macular degeneration; diabetic retinopathy; cytostatic; ophthalmological;

antidiabetic; antisense.

WO2005035759-A2 Homo sapiens

Antisense siRNA oligo that modulates human HIF1 expression Seq 259

(first entry)

30-JUN-2005

ADZ58131;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Classifying patients with inflammatory disease, specifically asthma - according to polymorphisms in 5-lipoxygenase gene regulatory region, e.g. to identify candidates for lipoxygenase inhibitor treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        classifying patients suffering from an inflammatory disease. The method comprises identifying in DNA from at least 1 patient a sequence comprises identifying in DNA from at least 1 patient a sequence (AAT88431), in a 5-LOX regulatory gene sequence. The method can be applied to subjects with asthma, ulcerative colitis, bronchitis, annuatis, psoriamis, allergic and non-allergic rhinitis, lupus or rheumatoid arthritis. Specifically it can be used to diagnose asthma or susceptibility to disease, identify treatments suitable for individual patients or assess the likely success of treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence was used in the development of a novel method for
                                    Gaps
                                                                                                                                                                                                                                                                                                                                Inflammatory disease; polymorphism; 5-lipoxygenase; asthma; ulcerative colitis; bronchitis; sinusitis; psoriasis; rhinitis; arthritis; diagnosis; treatment; PCR primer; ss.
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79.0%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 6.4; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                   Sense primer Exon 4 for human 5-lipoxygenase gene.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (BGHM ) BRIGHAM & WOMENS HOSPITAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3xample 1, Page 19; 56pp; English.
                                                                      1 CCTCATGGTCACATGGATG 19
                                                                                                      cercardereceadeard 20
                                                                                                                                                                                           AAV13322 standard; DNA; 19 BP
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97US-00846020.
                                                                                                                                                                                                                                                             14-MAY-1998 (first entry)
                                    17; Conservative
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Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-APR-1997;
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                                                                                                                                                                                                                             AAV13322;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New chemically synthesized double stranded short interfering nucleic acid molecule that directs cleavage of a hypoxia inducible factor 1 RNA via RNA interference (RNAi), useful for modulating HIF1, its expression or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This invention relates to a novel chemically synthesized double stranded short interfering nucleic acid strand (sinA). Specifically, it refers to sinAs that direct cleavage of a hypoxia inducible factor I (HTI) RNA via RNA interference (RNA). In particular, the sinAs may include short interfering RNA (siRNA), double-stranded RNA (daRNA), micro-RNA (miRNA) and short hairpin RNA (shRNA) molecules that are capable of mediating RNA; The present invention describes a sense strand of a double-stranded
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70.0%; Score 14; DB 1; Length 19;
Best Local Similarity 78.6%; Pred. No. 13;
Matches 11; Conservative 3; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 33; SEQ ID NO 259; 189pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                       14-JAN-2004; 2004US-00757803.
10-FEB-2004; 2004US-0543480P.
13-FEB-2004; 2004US-00780447.
16-APR-2004; 5004US-00826966.
30-APR-2004; 54US-09997777.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SIRN-) SIRNA THERAPEUTICS INC.
                                                                                                                                                                                                                                                                                                                                                                   2003US-0496655P.
2003US-00693059.
2003US-00720448.
2003US-00727780.
                                                                                                                                                                                                                                                                                                                              20-AUG-2004; 2004WO-US027294
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2005-306364/31.
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24-NOV-2003;
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14-JAN-2004;
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7 GGTCACATGGATGA 20

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Gaps

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CTCATGGTCACATGGATG 19 crcarecrcagared 19

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Local Similarity 88.9

Best Loc Matches

ADZ58131 standard; RNA; 19 BP

RESULT 12 ADZ58131 ID ADZ

Pred. No. 13;

100.0%;

Best Local Similarity

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Sequence 19 BP; 4 A; 6 C; 2 G; 0 T; 7 U; 0 Other; 30-JUN-2005 21-APR-2005 Usman N, ADZ57911; activity Ношо ADZ57911/

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This invention relates to a novel chemically synthesized double stranded short interfering nucleic acid strand (siNA). Specifically, it refers to short interfering nucleic acid strand (siNA). Specifically, it refers to siNAs interference (RNAi). In particular, the siNAs may include short interfering RNA (siRNA), double-stranded RNA (dsRNA), micro-RNA (miRNA) and short hairpin RNA (shRNA) molecules that are capable of mediating RNAi. The present invention describes a sense strand of a double-stranded siNA, that comprises a nucleotide sequence that is complementary cantisense single strand. Note that the sense strand is the complementary antisense region via a polynucleotide linker molecule. Accordingly, these siNAs are useful in providing compositions for the treatment of traits, classases and conditions that respond to modulation of HIFI expression, chamely cancer and proliferative conditions including macular degeneration, diabetic retinopathy and other conditions associated with the cytostatic, ophthalmological and antidiabetic activities. This coligonucleotide sequence is a sense composition exhibit to cytostatic, ophthalmological and antidiabetic activities. This coligonucleotide sequence is a sense siRNA strand that targets human HIFI CYC RNA to modulate expression given in an exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New chemically synthesized double stranded short interfering nucleic acid molecule that directs cleavage of a hypoxia inducible factor 1 RNA via RNA interference (RNAi), useful for modulating HIF1, its expression or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  88; short interfering RNA; siRNA; gene silencing; RNA interference;
hypoxia inducible factor 1; cancer; hyperproliferation;
macular degeneration; diabetic retinopathy; cytostatic; ophthalmological;
antidiabetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sense siRNA oligo that modulates human HIF1 expression Seq 39.
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                                                                                                                                                                                                           ADZ57911 standard; RNA; 19 BP
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10-PEB-2004; 2004US-0543480P.
13-FEB-2004; 2004US-00780447.
16-APR-2004; 2004US-00826966.
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54US-09996666.
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2003US-00720448.
2003US-00727780.
1 GGUCACAUGGAUGA 14
                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2005-306364/31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-NOV-2003;
03-DEC-2003;
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70.0%; Score 14; DB 1; Length 19;

Query Match

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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence, a sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic caids of the invention are useful as probes and primers for detecting, identifying, quantifying and or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, propypeptides, vectors containing the nucleic acids, cells containing the coctor or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. Analysis of the expression of the 17 mer nucleic acids in diseases. The polypeptides can also be used to generate antibodies, and both the polypeptide and antibodies are useful as components of protein collips. The nucleic acid sequences of the invention can be used in gene collips. The nucleic acid sequences of the invention can be used in gene
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ö
                                                                                                                                                                                                                                                                                                                               Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 therapy. This polynucleotide sequence represents a tumour suppression related human fukutin oligonucleotide of the invention
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  ö
                                                                                                                                                                                                                                                                                          Tumour suppression related human fukutin oligo SEQ ID No 4072.
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  Indels
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; Pred. No. 20;
0; Mismatches
    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Page 510; 720pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tuijnder M;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                          ABT38435 standard; DNA; 17 BP
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Best Local Similarity 87.55
Matches 14; Conservative
  14; Conservative
                                                             19 GGTCACATGGATGA
                                        7 GGTCACATGGATGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
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                                                                                                                                        RESULT 14
ABT38435/c
    Matches
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The present invention relates to a test for detecting autism, which comprises measuring the electrical activity of calcium-dependent comprises measuring the electrical activity of calcium-dependent of potassium channels (BKCa) in a sample of blood cells and detecting any reduction in activity, relative to a control sample. Also claimed are: selecting aubpopulation of patients with autism by performing the new method and selecting subjects with reduced BKCa activity; and use of activators or agonists of BKCa to prepare a composition for treating autism where this is associated with deficient electrical activity. The method is useful for autism diagnosis and prognosis and to identify a subset of autism patients who may benefit from the invention, a capsists (X) of BKCa, i.e. patients where autism is linked to a defective electrical activity. In an example from the invention, a cansistent with autism was detected and characterized using PCR primers ADM14128. The KCMMA1 gene encodes a protein of the glucaminersic complex, and mutation of the KCMMA1 gene resulting in inadequate functioning of BKCa. The translocation was [46, XY, t[9;10) [423;422]], and the break was between the first and second exons of the KCMMA1 gene and amplification tests showed that, in the patient, one copy of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Test for identifying autism, comprises detecting reduction in activity of calcium-dependent potassium channels by measuring the electrical activity
                                                                                                                                                                                                                                                                                                                Nootropic; autism; potassium channel; KCNMA1; PCR; primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Briault S, Laumonnier F, Le Guennec JY, Roger S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 18 BP; 4 A; 6 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                         KCNMA1 exon 1B sense PCR primer, SEQ ID 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 1; SEQ ID NO 3; 42pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYRA-) UNIV RABELAIS FRANCOIS
                                                                                                                      ADW14071/c
ID ADW14071 standard; DNA; 18 BP.
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3 TCATGGTCACATGGAT 18
                                      17 rchadgrchahrddar 2
                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      of the channels.
                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
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Best Local
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used as probes to detect, characterise and quantify nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specifically recognise hGDMLP-1 proteins, as specifically recognise hGDMLP-1 proteins, as specific blomolecule and/or amount specifically of hGDMLP proteins, as specific blomolecule and/or amount specifically of hGDMLP proteins, as specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed or present in the exemplification of the printed or print or the exemplification of the printed or present in the exemplification of the printed or present in the exemplification of the printed or present sequence in the exemplification of the present invention. N.B. The feature data for this patent did not form part of the printed or print proteins and produced in electronic format directly from MIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                        Human, genome-derived myosin-like protein 1, GDMLP-1, hGDMLP-1, heart, muscle, myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:7612.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Shannon ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hanzel DK, Rank DR, Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 7612; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           at ftp.wipo.int/pub/published_pct_sequence
ABN07620/c
ID ABN07620 standard; DNA; 17 BP.
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2000US-0236359P.
2000GB-00024263.
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2001WO-US000664.
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2001WO-US000662
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                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-179446/23.
                                                                                                                                                                                                                                                                                                                     WO200192524-A2.
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
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                                                                                                      29-MAY-2002
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                                                            ABN07620;
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Sequence 17 BP; 3 A; 4 C; 5 G; 5 T; 0 U; 0 Other;

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Gaps

. 0

4 CATGGTCACATGGATG 19

14; Conservative

Local Similarity

16 chrédrchécedare 1

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RESULT 16

1 UCAUCUUCACAUCGAUG 17

ACN70710 standard; DNA; 17

ACN70710/c ID ACN70'

RESULT 18

(first entry)

02-DEC-2004

ACN70710;

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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WWV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNASyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, tleast ten 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nuclectides and a 3' end andification of a 3'-3' inverted abasic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                     Gaps
                                                                                                                                                                                                                                                                                                                                            WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; panoreatitis; encephalitis; myocarditis; menigitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
                                     ö
 DB 1; Length 17;
                                   3; Indels
                                                                                                                                                                                                                                                                                                          WNV minus strand Inozyme substrate SEQ ID NO 12004.
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                                   Mismatches
Score 12.2;
Pred. No. 26;
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                                                                                                                                                                                                  ACN12001 standard; RNA; 17 BP
                                                                       1 CCTCATGGTCACATGGA 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-OCT-2001; 2001WO-US048350.
                                                                                                17 CCTCAAGGTCACAGGTA 1
 61.0%;
                  1 Similarity 82.4%;
14; Conservative
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                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                       Amberzyme; Zinzyme; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-706994/76.
 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                           West Nile Virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200268637-A2
                                                                                                                                                                                                                                                                          22-APR-2004
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                                                                                                                                                                                                                                      ACN12001;
                                   Matches
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 958 deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                ss; probe, myosin-like protein-1; hGDMLP-1;
-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Shannon ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hanzel DK, Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 7612; Opp; English.
                                                     Human GDMLP-1 probe SEQ ID NO:7612.
                                                                                                                                                                                                                                                                                                                                                                                                                    30-JAN-2001; 2001WO-US000669
30-JAN-2001; 2001WO-US000670
25-FEB-2001; 2001US-02666108
25-MAY-2001; 2001US-00866108
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2000US-0236359P.
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2001WO-US000667.
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                                                                                               hGDMLP-1 agonist hGDMLP a
skeletal muscle function.
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JI Y.
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
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(PENN/)
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Gaps

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61.0%; Score 12.2; DB 1; Length 17; 52.9%; Pred. No. 26; ive 5; Mismatches 3; Indels

3 TCATGGTCACATGGATG 19

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Best Local Similarity 52.9 Matches 9; Conservative

Query Match

Gaps

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Indels

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Mismatches

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Conservative

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13;
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                                                                                                                                                                                                                                                                              Antisense therapy, antiproliferative, antinflammatory, antipsoriatic, cytostatic, dermatological, cardiant, virucide, ophthalmological, keloid, skin disorder, insulin-like Growth Factor I receptor; IGF-1; pityriasis, IGF binding protein, IGFB-2; IGFBB3; inflammation, psoriasis, pilaris, growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keatosis, neoplasis; scleroderms; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasis, kidney disease; neovæcular condition; hyperplasis, kidney disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Askin disorders. The method comprises contacting the skin with an antisense oligonuclectide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP], which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonuclectide which can be used to design the antisense oligonuclectides of the present invention (see AAF45151 and AAF45153-F45161). The method is useful for invention (see AAF45151 and AAF45153 inchthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, ineoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ameliorating the effects of a disorder, e.g. psoriasis, by administering JV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to a method for ameliorating the effects
                                                     Gaps
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                          DB 1; Length 17;
                                                     3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 15 BP; 4 A; 5 C; 1 G; 5 T; 0 U; 0 Other;
Sequence 17 BP; 3 A; 4 C; 5 G; 5 T; 0 U; 0 Other;
                       61.0%; Score 12.2; I
82.4%; Pred. No. 26;
:1ve 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Edmondson SR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (MURD-) MURDOCH CHILDRENS RES INST.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             vessels or any other hyperplasia
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                                                                            CCTCATGGTCACATGGA 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-JUN-2000; 2000WO-AU000693
                                                                                                                                                                                                                                                         IGF-I oligonucleotide #2843.
         Query Match
Best Local Similarity bz.
--hes 14; Conservative
                                                                                                       17 cerchaggreachea
                                                                                                                                                                         AAF51883 standard; DNA; 15
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Antisense therapy, antiproliferative; antinflammatory; antipsoriatic, cytostatic, dermatological; cardiant; virucide, ophthalmological; keloid; skin disorder; Insulin-like Growth Factor I receptor; IGF-1; pityliasis; IGF binding procein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilatis; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neophasia; scleroderma; wart; skin cancer; sclerotic disease; hypermeovascular condition; hyperplasis, kidney disease; neobascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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Best Local Similarity 86.7%; Pred. No. 26;
Matches 13; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                 AAF51884 standard; DNA; 15 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IGF-I oligonucleotide #2844.
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                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
6 TGGTCACATGGATGA
                                                                       15 rGATCAGATGGATGA
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15 ATGATCAGATGGATG

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The invention relates to a novel method for testing secondary hyperparathyroidism in a chronic renal failure patient. The method involves detecting a variation in a gene chosen from CACNAIC, CALCRI, CHI31L, EGF, FGFI, GFRAI, GFRSE, GFRK, ILIORA, ILLORB, ILLIZRBI, KCWJI, ORCTIA, PDGFRA, SCYBIA, SLC2A1, SLC2A3, TGFBR3, TWEMI, CALCR, LILTR, OSTFI, FGFE, HGF, MET, TGFBI and VGGF, or detecting the base in a polymorphism region existing in the vicinity of any one of the genes. The invention further comprises a reagent or kit for testing secondary hyperparathyroidism in a chronic renal failure patient. This polymorlectide sequence represents a probe used in the detection of a polymorphism in a gene linked to secondary hyperparathyroidism of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Testing secondary hyperparathyroidism in chronic renal failure patient, involves detecting variation in gene chosen from CACNA1C, CALCRL, CH13L1,
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                                                                                                                              Hyperparathyroidism polymorphic detection VIC probe, SEQ ID 33.
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renal failure; nephrotropic; SNP detection; 88; probe.
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Pred. No. 28;
                                                                                                                                                                secondary hyperparathyroidism; endocrine-gen.; antithyroid;
renal failure; nephrotropic; SNP detection; ss; probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 33; 138pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                involves detecting variation in ge
EGF, FGF1, GFRA1, GPR56 and GPRK6.
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                            ADZ59539 standard; DNA; 16 BP
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                                                                                                (first entry)
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Best Local Similarity 86.7
Matches 13; Conservative
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RESULT 21
                ADZ59539/
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; 88; EGFR; epidermal growth factor receptor; HER1; HER2; HER3; HER4; hammerhead ribozyme; inozyme; zinzyme; DNAzyme; amberzyme; cancer; brain tumour; cytostatic; short interfering RNA; siRNA, RNA interference; prostate cancer; colorectal cancer; brain cancer; oesophageal cancer; stomach cancer; pladder cancer; panoreatic cancer; cesophageal cancer; head and neck cancer; ovarian cancer; melanoma; lymphoma; glioma;
                                                                                                                                                                                                                                                        Testing secondary hyperparathyroidism in chronic renal failure patient, involves detecting variation in gene chosen from CACNAIC, CALCRL, CHI3L1, EGF, FGFI, GFRAI, GPR56 and GPRK6.
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86.7%; Pred. No. 28;
tive 0; Mismatches
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Matches 13; Conserv
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                                               JP2005102601-A.
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                                                                                21-APR-2005
               Synthetic.
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Indels

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WO2004081187-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a double stranded short interfering RNA (siRNA) molecule that inhibits expression of epidermal growth factor receptor (EGFR) gene (e.g. HERL-4) by RNA interference is new Also included is an expression vector comprising a nucleic acid sequence encoding siRNA molecule (s) in a manner that allows expression of the nucleic acid molecule. The siRNA molecules comprise harmershead ribozymes, inozymes, amberzymes and DNAzymes. The invention is used for inhibiting expression of EGFR. It can be used for treatment of cancer, prostate cancer, colorectal cancer, para cancer, ossophageal cancer, stomach cancer, bladder cancer, para nancer, cervical cancer, head and neck cancer, ovarian cancer, molanoma, julioma, multidrug resistant cancer, ovarian cancer, molanoma, palioma, multidrug resistant cancer in vitro, stability, and ease of introduction of oligonucleotide to target site. The present sequence is an EGFR/HERI-4 target sequence for
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                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                             New double stranded short interfering ribonucleic acid molecule for inhibiting expression of epidermal growth factor receptor gene.
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                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
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                                                                                                                                                                                                                                                                                                                                                                              Sequence 15 BP; 4 A; 2 C; 3 G; 0 T; 6 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                   57.0%; Score 11.4; I
61.5%; Pred. No. 30;
tive 4; Mismatches
                                                                                                                                                              Claim 7; SEQ ID NO 30; 113pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BB
04-DEC-1997; 97US-00985162.
22-8E7-1999; 99US-00401063.
MAX-2001; 2001US-0088754.
25-JUL-2001; 2001US-00916466.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        289/c
ADM69289 standard; DNA; 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RIKA ) RIKAGAKU KENKYUSHO
(SAIM-) SAI MEDIA KK.
                                                         RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 UCAUGGUCAAAUG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 TCATGGTCACATG 15
                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 61.5
                                                                                                       WPI; 2004-032029/03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JP2003289885-A.
                                                                                 Mcswiggen J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADM69289;
                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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Matches
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least the variation/mutation part of a plant gene using a gene comparing the comparing a part of a plant gene using a gene comparing a genetic polymorphism marker. A mutation site of the plant gene is mapped by utilizing a genetic polymorphism marker as follows: (a) genomic DNA is prepared from a plant homozygously having a mutation to be an object of the mapping; (b) A forward primer 1 containing a base corresponding to the gene polymorphic maker of one ecotype plant, a forward primer 2 containing a base corresponding to the genetic polymorphism of the other ecotype plant and a reverse primer 3 based on the base sequence common oligonucleotides emitting a luorescence of different colors when the colors plants marker is detected are prepared; (d) an amplification reaction of the genomic DNA is carried out in the presence of the primers 1, 2 and 3 and the two kinds of the oligonucleotides; (e) the fluorescence intensity emitted from the resultant reactional product is detected and (f) the position on the genome of the mutation site is determined from the results of detection. The present sequence is a primer, used to illustrate the invention.
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A primer set and method useful for mapping at least the variation/mutation part of a plant gene using a gene polymorphism marker.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to identifying an individual who has altered risk for developing myocardial infarction comprises detecting single
                                                                                                                                                                                                                       The present invention relates to a primer set and method for mapping at
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       57.0%; Score 11.4; DB 1; Length 16; 92.3%; Pred. No. 33; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Common primer B for human MI-associated marker hCV2633049.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 16 BP; 2 A; 7 C; 3 G; 4 T; 0 U; 0 Other;
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                                                                                                                           Claim 7; SEQ ID NO 168, 120pp; Japanese.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADR74253 standard; DNA; 16 BP
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les 12; Conservative
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cc nucleotide polymorphism (SNP) in any one of the 43336 nucleotide
c sequences (not given in the specification), in the individual's nucleic
c acids, where the presence of the SNP is correlated with an altered risk
c for myocardial infarction in the individual. Also included are an
c isolated nucleic acid molecule (comprising at least 8 contiguous
c nucleotides where one of the nucleotides is an SNP as cited above, or
their complement), an isolated polypeptide comprising an amino acid
c sequence selected from any of the 696 amino acid sequences not defined in
c the specification, an antibody that specifically binds to the polypeptide
CC (or its antigen-binding fragment), an amplified polymucleotide containing
the SNP as cited (where the amplified polymucleotide is between about 16
c (or its antigen-binding fragment), an isolated polymucleotide which
cc (its antigen-binding fragment), an isolated polymucleotide which
cc the specifically hybridises to a nucleic acid molecule containing the SNP, a
ckit for detecting SNP in a nucleic acid, detecting in a nucleic acid, detecting in therapeutically or prophylactically treating myccardial infarction.

CT the detection step of the method is carried out by a process selected
cin allele-specific amplification, sequencing, squencing, squencing, and single-stranded conformation, sequencing ST unclease
cd digestion, molecular beacon assay, oligonucleotide ligation assay, size
analysis, and single-stranded conformation polymorphism. The method is
cyocardial infarction. The present sequence is common primer (used with
c myocardial infarction an applicated marker gene. NOTE: SEQ IDS I.
c from a myocardial infarction associated marker gene.

CT hese sequence are contained on a CD-R named CL001509CDR which has not
cc been supplied with the specification.
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an individual, involves determining identity of nucleotide pair at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; natriuretic peptide receptor A/guanylate cyclase A; NPR1; ss; atrionatriuretic peptide receptor A; haplotyping; cytostatic; genotyping; haplotype pair; single nucleotide polymorphism; gene therapy; PCR primer; drug screening; hypertension; hypotensive; sequencing primer; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human NPR1 gene allele-specific oligonucleotide sequencing primer #26.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 16 BP; 4 A; 6 C; 4 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bentivegna SC, Choi JY, Kliem SE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABK09404 standard; DNA; 15 BP
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tes 13; Conservative
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Matches
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The invention relates to single nucleotide polymorphisms in the gene encoding the human natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A) or NPRI polypeptide. A method for haplotyping the NPRI gene in an individual comprises identifying the nucleotide at one or more polymorphic sites and determining whether one nucleotide at one or more polymorphic sites and determining whether one of the copies of the gene is defined by one of the NPRI haplotypes given in the specification or whether both copies are defined by a haplotype pair of the NPRI gene can be assigned to specific genotyping, whereby all possible haplotype pairs and a haplotype or haplotype pair of the NPRI gene can be identified by comparing the frequency of the haplotype pair in a reference population, where a higher haplotype or haplotype pair. NPRI and its corresponding DNA are used for studying the expression and function of NPRI, for use in screening for candidate drugs to treat diseases related to NPRI activity, such as hypertension. The sequences are also useful for studying the effect of variation on the biological activity of candidate drugs targeting NPRI. Sequences AAS99999-AAS99990 and ABK09390-ABK09462 represent probes, sequencing primers and PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Vaccine; nucleic acid vaccine; drug screening; diagnosis;
SARS coronavirus infection; infection; respiratory disease; virucide;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          55.0%; Score 11; DB 1; Length 15; 84.6%; Pred. No. 36; 1; Indels Live 1; Mismatches 1; Indels
specific polymorphic sites for two copies of the gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 15 BP; 5 A; 4 C; 3 G; 2 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                        primers used to detect NPR1 gene polymorphisms
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                                  Claim 15; Page 14; 96pp; English.
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2003US-0464899P.
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2003US-0463109P
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2003US-0463668P
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Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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ACL73850
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2003US-0465535P

24-APR-2003;

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The invention relates to isolated polypeptides of the severe acute respiratory syndrome (SARS) coronavirus. The polypeptides include spike (S or ES), and (E or EM), membrane (W or E1), hemagajutninh-esterase (HE or E3), and mucleocapsid (N) polypeptides, and hemographic or E3), and mucleocapsid (N) polypeptides, and hemographic or E3), and mucleocapsid (N) polypeptides, and hemographic also relates to antibodies which recognise the polypeptides; mucleic acids encoding the SARS virus polypeptides; primers specific for SARS virus public to acids encoding the SARS virus for amplifying SARS virus target nucleic acids, and acids encoding the SARS virus for amplifying SARS virus spike protein; a viral vector for in vivo delivery of a SARS virus polypeptide-concident in the invention additionally provides a vaccine for the proparation. The invention additionally provides a vaccine for the restment or prevention of SARS compalising an inactivated SARS virus, an attenuated SARS virus, an inactivated SARS virus polypeptides. Confiled SARS virus antigens and a mammalian cell in alpha-virus preparation, or at least one purified SARS virus antigens; methods of making inactivated SARS virus antigens. The invention further encompasses a method of replicon particle comprising one or more SARS virus antigens; and a satisfication or more SARS virus antigens and cone or more SARS virus polypeptides and containing antigens. The invention further encompasses a method of identifying a therapeutically active agent by measuring the effect of the restment or prevention of SARS. The SARS virus polypeptides and containing them are useful for diagnosing or identifying the presence of SARS virus specific primers and SARS virus polypeptides and antibodies against them, and SARS virus specific primers and SARS virus polypeptides and antibodies against them, and SARS virus specific primers and sars corneaning them are useful for diagnosing or identifying the presence of the amplifying a SARS cornearing from part of the presence of the second 
                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                               Novel isolated polypeptide e.g. spike polypeptide, Env polypeptide, of severe acute respiratory syndrome virus (SARS), useful as vaccine for
                                                                                                                                                                                                                                                             Han J;
                                                                                                                                                                                                                                                                              Donnelly JJ;
                                                                                                                                                                                                                                                           Chien D,
                                                                                                                                                                                                                                               einer A, Houghton M, Song HC, Seo MY, I
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 59; SEQ ID NO 631; 839pp; English.
                                                                                                                                                                                                                                                        Rappuoli R, Masignani V, Stadler K,
Polo J, Weiner A, Houghton M, Song
                   22-MAY-2003) 2003U6-0473144P.
14-AUC-2003) 2003U8-0495024P.
23-8SP-2003) 2003US-0505652P.
11-OCT-2003) 2003US-0510781P.
11-DEC-2003) 2003US-0529464P.
12-JAN-2004) 2004US-0529464P.
05-MAY-2003; 2003US-0468312P.
22-MAY-2003; 2003US-0473144P.
                                                                                                                                                                                                             CHIR ) CHIRON CORP.
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                                                                                                                                                                                                                                                                                                    Klenk HD,
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55.0%; Score 11; DB 1; Length 15; 100.0%; Pred. No. 36; 0; Indels tive 0; Mismatches 0; Indels
                            11, Conservative
                                                       CTCATGGTCAC 12
               Similarity
Query Match
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The invention relates to isolated polypeptides of the severe acute respiratory syndrome (SARS) coronavirus. The polypeptides include spike (S or E2), env (E or sM), membrane (M or E1), hemagglutinin-seterase (HE or E3), and nucleocapsid (N polypeptides, and the ORF1a and ORF1ab and ORF1ab.

(replicase) polypeptides and their proteolytic fragments. The invention also relates to antibodies which recognise the polypeptides; nucleic acids to antibodies which recognise the polypeptides; nucleic acids and ordered RNA molecule 10.30 nucleotides in length which is able to inactivate the SARS virus spike which is able to inactivate the SARS virus in a mammalian cell; an expression construct for recombinant expression of a SARS virus spike ordering antigen. The invention additionally provides a vaccine for the concing nucleic acid; and a mammalian cell line stably expressing a SARS virus, an attenuated SARS virus, a split SARS virus, a preparation, or at least one purified SARS virus antigens; methods of reparation, or at least one purified SARS virus antigens; and a making inactivated SARS virus and analyal and provides a vaccine for the creatment or prevention of SARS virus, a split SARS virus and palabavirus cepticon particle comprising one or more SARS virus and analyal and palabavirus and vaccines containing it; an alpha-virus replicon particle comprising one or more SARS virus and one or more

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ACL73880 standard; DNA; 15 BP.
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RESULT 28
              ACL73880
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                                              Vaccine; nucleic acid vaccine; drug screening; diagnosis;
SARS coronavirus infection; infection; respiratory disease; virucide;
                                                                                                                                                                                                                                                                                                                                                                                                              Han J;
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Donnelly JJ;
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Weiner A, Houghton M, Song HC, Seo MY,
, Valiante N;
                           SARS coronavirus right PCR primer, SEQ:661.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 59; SEQ ID NO 661; 839pp; English.
                                                                                                                                                                                              13-ARR-2003; 2003US-0462748P.
14-APR-2003; 2003US-0463109P.
15-APR-2003; 2003US-0463460P.
17-APR-2003; 2003US-0463960P.
17-APR-2003; 2003US-0463991P.
22-APR-2003; 2003US-0464899P.
22-APR-2003; 2003US-0464899P.
23-APR-2003; 2003US-0465273P.
23-APR-2003; 2003US-0465273P.
22-APR-2003; 2003US-0465273P.
23-APR-2003; 2003US-0465273P.
23-APR-2003; 2003US-0465273P.
23-APR-2003; 2003US-0408522P.
11-OECT-2003; 2003US-055054P.
                                                                                                                                                                            2003US-0462465P.
2003US-0462418P.
2003US-0463109P.
2003US-0463460P.
2003US-0463460P.
2003US-046398P.
                                                                                                                                                 09-APR-2004; 2004WO-US011710
          16-JUN-2005 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                         CHIR ) CHIRON CORP.
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                                                                                       SARS coronavirus
                                                                    PCR; primer; ss.
                                                                                                         WO2004092360-A2
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Klenk HD, Valiante N;
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respiratory virus antigens. The invention further encompasses a method of identifying a therapeutically active agent by measuring the effect of the agent on a SARS-related enzyme, and a method of treating a SARS patient using small molecule viral inhibitors. The SARS virus polypeptides and nucleic acids can be used in the preparation and manufacture of vaccines for the treatment or prevention of SARS. The SARS virus polypeptides, antibodies against them, and SARS virus-specific primers and kits containing them are useful for diagnosting or identifying the presence of SARS in a biological sample. The present sequence represents a PCR primer for amplifying a SARS coronavirus gene. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Han J;
                                                                                                                                                                                                                                                                                                                                                                             Vaccine; nucleic acid vaccine; drug screening; diagnosis;
SARS coronavirus infection; infection; respiratory disease; virucide;
PCR; primer; ss.
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Donnelly JJ;
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                                                                                                                                                                         55.0%; Score 11; DB 1; Length 15; 100.0%; Pred. No. 36; 0; Indels tive 0; Mismatches 0; Indels
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Polo J, Weiner A, Houghton M, Song HC, Seo MY,
                                                                                                                                                     Sequence 15 BP; 3 A; 5 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                              SARS coronavirus right PCR primer, SEQ:573.
                                                                                                                                 ftp.wipo.int/pub/published_pct_sequences
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2003US-0463460P.
2003US-0463668P.
2003US-0463983P.
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2003US-0468312P.
2003US-0473144P.
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2003US-0462748P.
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2003US-0464838P.
2003US-0464899P.
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nes 11; Conservative
                                                                                                                                                                                                                    2 CTCATGGTCAC 12
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                                                                                                                                                                                                                                                                                                                                                                                                                              SARS coronavirus
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                                                                                                                                                                                                                                                                                                                    ACL73792;
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                                                                                                                                                                                                Matches
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The invention relates to isolated polypeptides of the severe acute respiratory syndrome (SARS) coronavirus. The polypeptides include spike (Sor E2), and respiratory syndrome (SARS) coronavirus. The polypeptides include spike (Sor E3), and nucleocapsid (N) polypeptides, and the ORF1a and ORF1a and ORF1a and orelates to antibodies which recognise the polypeptides; mucleic acids encucioning the SARS virus polypeptides; primers specific for SARS virus nucleic acids sequences; kits for amplifying SARS virus target uncleic acids adouble-stranded RNA molecule 10-30 nucleotides in length which is able to inactivate the SARS virus in a mammalian cell; an expression construct for recombinant expression of a SARS virus spike protein; a viral vector for in vivo delivery of a SARS virus spike protein; a viral vector for in vivo delivery of a SARS virus spike protein; a viral vector for in vivo delivery of a SARS virus spike protein; a viral vector for in vivo delivery of a SARS virus spike protein; a viral vector for in vivo delivery of a SARS virus spike protein; a viral vector for in vivo delivery of a SARS virus spike. The invention additionally provides a vaccine for the treatment or prevention of SARS comprising an inactivated SARS virus and sequence of making inactivated SARS virus and vaccines containing it; an alpha-virus replicon particle comprising one or more SARS virus antigens; and a method of treating a SARS virus antigens. The invention further encompasses a method of identifying a therapeutically active agent by measuring the effect of the sagning them are useful for diagnosing or identifying the presence of sagning them are useful for diagnosing or identifying the presence of sagning them are useful for diagnosing or identifying the presence of sagning them are useful for diagnosing or identifying the presence of sagning them are useful for diagnosing or identification, but was obtained in all prevents of the prisect respiratory formar directly from WIPO at the present sequence effect of the private of the 
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                                                                                    Novel isolated polypeptide e.g. spike polypeptide, Env polypeptide, of severe acute respiratory syndrome virus (SARS), useful as vaccine for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                               Claim 59; SEQ ID NO 573; 839pp; English
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Matches 11; Conservative
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WPI; 2004-766863/75.
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US10719370A-446.rng.sl

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Example 8; Page 79; 201pp; English.
                                                                                                                                                                                      treatment of cancer
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                                                                                                                                                            New microarray for measuring gene expression characteristics of hemetopoietic cells, useful for preparing a composition for diagnosing or treating myeloid leukemia.
                                                                                                                                                                                                                         The invention describes a microarray for measuring gene expression characteristics of haematopoietic cells comprising at least 5 polynucleotides having distinct sequences. Also described are: a method of diagnosing or treating an abnormality associated with haematopoiesis, and diagnosing or treating in a patient. The microarray is useful for preparing a composition for diagnosing or treating myeloid leukaemia. This sequence represents an expressed sequence tag (EST) isolated from a cell of a patient with acute myeloid leukaemia with the t(9;11) translocation that results in the mixed-lineage leukaemia (MML)-AF9
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                                                                                                                             Rowley JD
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                                                                                                                            Zhou G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAX31458 standard; DNA; 15 BP
                                               27-DEC-2001; 2001US-0343826P.
                           23-DEC-2002, 2002US-00329465.
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                                                                          (LEES/) LEE S.
(CHEN/) CHEN J.
(ZHOU/) ZHOU G.
(ROWL/) ROWLEY J D.
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                                                                                                                                               WPI; 2003-863699/80.
                                                                  WANG S M.
                                                                                                                            Wang SM, Lee S,
                                                                                                                                                                                                                                                                                                                     fusion protein.
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                                                                                                                                                                                                                                           AAX30947-31815 represent tag sequences of transcripts that are differentially expressed in colorectal cancer, in pancreatic cancer, or in both. The tag sequences can be used to identify genes by matching the tag to a gen date base member, or by using the tag sequences as probes to isolate unidentified genes from cDNA libraries. The tag sequences can also be used in a method for diagnoshing colon or pancreatic cancer in a sample suspected of being neoplastic. The method comparises comparing the level of at least one transcript in a first sample of a tissue to a being neoplastic and the second sample is a normal human colonic tissue. The transcript is identified by a tag selected from AAX30947-31815. The methods of the invention can be used in the diagnosis, prognosis and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; insulin-like Growth Factor I receptor; IGF-1; pityriasis; IGF binding protein; IGFB-2; IGFBP3; inflammation; psoriasis; pilatis; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keatoolsis, neoplasia; sclaroderma; wart; skin cancer; sclerotic disease; hypermeovascular condition; hyperplasia; kidney disease; neoblarotic disease; neovascular condition of the retina; ss.
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Use of isolated gene transcripts - useful for developing products for diagnosis, prognosis and treatment of cancers, particularly colon and pancreatic cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 10.8; DB 1; Length 15;
Pred. No. 39;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 15 BP; 3 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Edmondson SR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (MURD-) MURDOCH CHILDRENS RES INST.
                                                                                                                                                                       Claim 1; Page 51; 120pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAF51885 standard; DNA; 15 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           54.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99US-0140345P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IGF-I oligonucleotide #2845.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4 CATGGTCACATGGA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 cargeccacgrada 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 85.77
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an entisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotide which can be used to design the antisense oligonucleotide of the present invention (see AAP45151 and AAP45153 - P4561). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a neoplasias, such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hipperpooliferation of the inside of blood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      vessels or any other hyperplasia
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Sequence 15 BP; 4 A; 5 C; 1 G; 5 T; 0 U; 0 Other;

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Gaps
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Score 10.8; DB 1; Length 15; Pred. No. 39;
                          2; Indels
                          0; Mismatches
   54.0%;
85.7%;
                          12, Conservative
   Query Match
Best Local Similarity
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g G

.882/c AAF51882 standard; DNA; 15 BP. AAF51882; AAF51882/

(first entry) 30-MAR-2001

IGF-I oligonucleotide #2842

Antisense therapy; antiproliferative; antinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin discorder; Insulin-like Growth Factor I receptor; IGF-1; pityriasis; IGF binding protein; IGFB-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neophasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasis, kidney disease; neobarchon of the retina; ss.

Homo sapiens.

WO200078341-A1

28-DEC-2000

21-JUN-1999;

21-JUN-2000; 2000WO-AU000693.

(MURD-) MURDOCH CHILDRENS RES INST.

Edmondson SR Werther GA, Wraight CJ,

WPI; 2001-041421/05.

Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or inflammation.

Example 8; Page 79; 201pp; English.

The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1

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inhibiting or reducing growth factor mediated cell proliferation, infilammation and/or other disorders. The present sequence is an infilammation and/or other disorders. The present sequence is an oligonuclectide which can be used to design the antisense oligonuclectides of the present invention (see AAF45151 and AAF45153 - F55161). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pitaris, serborrhoea, Keloids, Keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to an isolated, purified human nucleic acid (I) that has the same sequence as a mRNA found in humans and is a SAGE (serial analysis of gene expression) tag comprising a single stranded probe containing at least 10 consecutive nucleotides. SAGE tags, are diagnostic and prognostic markers of cancer, especially of the colon and pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human, colon cancer; colorectal cancer; pancreatic cancer; SAGE tagestial analysis of gene expression; diagnostic; prognostic; probe; cancer marker; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New human nucleic acid containing specific SAGE tags, useful as diagnostic markers for cancer, also derived probes.
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                                                                                                                                                                                                                                                               DB 1; Length 15;
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                                                                                                                                                                                                                           Sequence 15 BP; 3 A; 5 C; 1 G; 6 T; 0 U; 0 Other;
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Best Local Similarity 85.7%; Pred. No. 39;
Matches 12; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Zhou
                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                               Score 10.8; I
Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kinzler KW, Zhang L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure, Col 57; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human colon cancer SAGE tag #513.
                                                                                                                                                                                                 vessels or any other hyperplasia
                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP
                                                                                                                                                                                                                                                               54.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABK32412 standard; DNA; 15
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                                                                                                                                                                                                                                                                               Local Similarity 85.7
hes 12; Conservative
                                                                                                                                                                                                                                                                                                                                  7 GGTCACATGGATGA
                                                                                                                                                                                                                                                                                                                                                                    15 GATCAGATGATGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-153821/20.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US6333152-B1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABK32412;
                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                         ABK32412
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Alland D, Hazbon MH
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modified_base
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                                                                                                                     22-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AED89999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 37
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THE HAX SX XX XX CX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a method of detecting a single nucleotide polymorphism (SNP) in an organism by amplifying a nucleic acid sequence of an organism using a hairpin shaped primer that discriminates between different alieles by situating its 3' nucleotide at the location of a SNP, and measuring threshold cycle or amplification efficiency or amount of amplified product. A lower amplification efficiency or delayed threshold cycle or amplification efficiency or delayed threshold cycle or a fiference in the amount of amplified product is indicative of a mismatch between the primer and the organism and a SNP in the organism. The method is useful for efficiently identifying SNPs responsible for drug resistence of infective organism. The method and means for comprehensive understanding of the frequency and position of mutations in an organism. This sequence corresponds to an extended hairpin tail primer used in the method of the invention
                                                                                                                                                                                                                                                                                                                                                                                                             Detecting single nuclectide polymorphism (SNP) in an organism, useful for identifying SNPs responsible for drug resistance, comprises amplifying a nucleic acid sequence of an organism using a hairpin shaped primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                              88; primer; single nucleotide polymorphism; SNP; amplification;
hairpin primer; alleles; drug resistance.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            52.0%; Score 10.4; DB 1; Length 14; 91.7%; Pred. No. 43; tive 0; Mismatches 1; Indels
                                                                                                                                                       Extended hairpin tail primer #22 for SNP detection method.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 14 BP; 4 A; 3 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                         (UYNE-) UNIV NEW JERSEY MEDICINE & DENTISTRY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 1; SEQ ID NO 106; 53pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADQ82964 standard; DNA; 14 BP
                                                                                  ADQ82962 standard; DNA; 14 BP
                                                                                                                                                                                                                                                                                                                 27-DEC-2002; 2002US-0437165P.
                                                                                                                                                                                                                                                                                         24-DEC-2003; 2003WO-US041136
                                                                                                                                                                                                                    Mycobacterium tuberculosis
                 CATGCCACGTGGA 14
4 CATGGTCACATGGA 17
                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 TGGTCACATGGA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TGGTCACATGCA 1
                                                                                                                                                                                                                                                                                                                                                                 Alland D, Hazbon MH;
                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-553374/53
                                                                                                                                                                                                                                          WO2004061134-A1.
                                                                                                                                07-OCT-2004
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                                                                                                        ADQ82962;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                          RESULT 35
ADQ82962/c
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Matches
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The invention relates to a method of detecting a single nucleotide polymorphism (SNP) in an organism by amplifying a nucleic acid sequence of an organism using a hairpin shaped primer that discriminates between different alleles by situating its 3' nucleotide at the location of a SNP, and measuring threshold cycle or amplification efficiency or amount of amplified product. A lower amplification efficiency or delayed threshold cycle or a fiference in the amount of amplified product is indicative of a mismatch between the primer and the organism and a SNP in the organism. The method is useful for efficiently identifying SNPs responsible for drug resistance of infective organisms. The method and with are useful for analysing large number of isolates, thus providing a means for comprehensive understanding of the frequency and position of mutations in an organism. This sequence corresponds to an extended hairpin tail primer used in the method of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Detecting single nucleotide polymorphism (SNP) in an organism, useful for identifying SNPs responsible for drug resistance, comprises amplifying a nucleic acid sequence of an organism using a hairpin shaped primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mutation; DNA detection; glucose-6-phosphate dehydrogenase; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                       ss; primer; single nucleotide polymorphism; SNP; amplification;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
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Extended hairpin tail primer #24 for SNP detection method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 14 BP; 4 A; 3 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYNE-) UNIV NEW JERSEY MEDICINE & DENTISTRY.
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/mod_base= OTHER
/note= "5' NH2 modification"
                                                                                                                                 hairpin primer; alleles; drug resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; SEQ ID NO 108; 53pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-DEC-2002; 2002US-0437165P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-DEC-2003; 2003WO-US041136
                                                                                                                                                                                                                        Mycobacterium tuberculosis.
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~ US10719370A-446.rng.sl

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The present invention relates to human oligonucleotides comprising
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                                                                                                                                                                                              Query Match
Best Local Similarity 100.(
....heg 10; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GLAX ) GLAXO GROUP LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AFFY-) AFFYMETRIX INC
                                                                                                                                                                                                                                               7 GGTCACATGG 16
                                                                                                                                                                                                                                                                                                                                                                   (revised)
WPI; 1996-394264/40.
                                                                                                                                                                                                                                                                    14 GGTCACATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-335945/35.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
Unidentified
                                                                                                                                                                                                                                                                                                                                                                  09-SEP-2004
                                                                                                                                                                                                                                                                                                                                                                           27-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         variation
                                                                                                                                                                                                                                                                                                                                             AAH89017;
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                                                                                                                                                                                                                                                                                                    RESULT 39
AAH89017/c
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                                                                                                                                                                                                                                              The invention relates to a method for identifying nucleic acid mutations. The method comprises: (a) obtaining a sample of target nucleic acid oligomers comprishing at least one target sequence; (b) loading the parts onto at least two portions of binding medium; (c) detecting the parts peaks in the fluid exiting from each of the portions of binding medium; and (d) analyzing the oligomer peak data from the portions of binding medium. Also described is an apparatus for identifying nucleic acid mutations. The method is useful in identifying nucleic acid mutations. The sequence represents a wild type probe for human glucose-6-phosphate dehydrogenase (G6PD), which is used in the exemplification of
                                                                                                                                                                      Identifying nucleic acid mutations by obtaining a sample of target nucleic acid oligomers comprising a target sequence and detecting oligomer peaks in the fluid exiting from each of the portions of binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antisense; phosphorylation; retinoblastoma; tumour suppressor; ribozyme; antagonist; kinase; cyclin; cdk4; Rb; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                              Sequence 11 BP; 2 A; 3 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sandig V;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Antisense oligonucleotide to cdk4 gene.
                                                                                                                                                                                                                            Disclosure; SEQ ID NO 2; 26pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lukas J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       95DE-01039130
                                                       25-SEP-2004; 2004US-00949761
                                                                           25-SEP-2003; 2003US-0505730P.
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Best Local Similarity 100.
Matches 10; Conservative
                                                                                                          (MGPB-) MGP BIOTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                             10 CACATGGATG 19
                                                                                                                                                                                                                                                                                                                                                          the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Strauss M, Bartek J,
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                                                                                                                                                   VPI; 2005-810031/82
             US2005266419-A1
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                                  01-DEC-2005
                                                                                                                               Pappas MG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
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                                                                                                                                                                                                                                                                                                                                                                              suppressor genes that co-operate with the Rb suppressor, (b) antisense or ribozymes that are antagonistic to kinases or cyclins, or (c) other compounds that inhibit Rb phosphorylation. This oligonucleotide is directed to the cyclin-dependent kinase cdk4 gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polymorphic sites derived from the human genome are useful to determine sites correlating with phenotypic traits, particularly disease, and also in forensics and paternity testing.
Compsn. for treating tumour or other hyperplasias - contg. co-operative gene, antisense or ribozyme against kinase or cyclin or other inhibitor of Rb phosphorylation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human, single nucleotide polymorphic; SNP, forensic science; paternity testing; phenotypic trait; genetic mapping; animal breeding; plant breeding; ds.
                                                                                                                                                                                                                                                                 targeted to genes encoding proteins that interact with, pref. by phosphorylating the retinoblastoma (Rb) protein. The oligonucleotides used in a novel method of treating tumours by using: (a) tumour
                                                                                                                                                                                                                                     The oligonucleotides AAT36744-50 represent antisense oligonucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /*tag= a
/standard_name= "single_nucleotide_polymorphism"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human polymorphic oligonucleotide U54701 fragment #18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 14 BP; 3 A; 6 C; 2 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Thomas D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 69; Page 11; 43pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAH89017 standard; DNA; 14 BP.
                                                                                                                                                             Claim 12; Page 4; 7pp; German.
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single nucleotide polymorphic site (SNP: AAH88797-AAH89219). The present sequence is one such oligonucleotide. The oligonucleotides can be used in forensice, paternity testing, correlation of polymorphisms with phenotypic traits, genetic mapping of phenotypic traits and marker assisted breeding of animals and crop plants
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                    Revised record issued on 09-8EP-2004 : Correction to Feature Table Key
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Oligonucleotide SEQ ID NO 245262 for detecting SNP TSC0059887.
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                                                                                                                                                                                                                                                                                                      50.0%; Score 10; DB 1; Length 14; 100.0%; Pred. No. 51;
                                                                                                                                                                                                                                                                                                                                                                0; Indels
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                                                                                                                                                                                                                                                                                                                        100.0%; Pred. No.
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                                                                                                                                                                                                                                                                                                                                       Local Similarity
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ABH45285/c
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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 targeseent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                                                                                                                                                           SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; 88; central nervous system; gastrointestinal; respiratory; immune; metabolic.
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                                                                                                                                                                                                                          Oligonucleotide SEQ ID NO 245261 for detecting SNP TSC0059887.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         was obtained in electronic format from W. 
ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Berlin K;
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                                                                                                                      ABH45284 standard; DNA; 13
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Matches 11; Conservative
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13 TGGTAACGTGGAT
 6 TGGTCACATGGAT
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                                                                                      RESULT 41
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Query Match 49.0%; Score 9.8; DB 1; Length 13; Best Local Similarity 84.6%; Pred. No. 50; Matches 11; Conservative 0; Mismatches 2; Indels

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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC0010-ABC99889, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABF82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic formmat from WIPO at the printed specification, but tho witho int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence of probe which corresponds to the AA sequence W-N-Y-L-D (515-519) of human tissue plasminogen activator (TPA).
                                                                                                                                                                                                                     Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine
                                                                                                                                                                                                                                                                                                              claim 1; SEQ ID NO 228161; 29pp + Sequence Listing; German.
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Best Local Similarity 84.6%; Pred. No. 50;
Matches 11; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;
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                                                                                                                                 Berlin K;
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ID AAN70553 standard; DNA; 14 BP.
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86JP-00020469.
86JP-00097481.
06-APR-2001; 2001WO-IB000713.
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                                       07-APR-2000; 2000DE-01019173
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                                                                                                                                 Olek A, Piepenbrock C,
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                                                                                      (EPIG-) EPIGENOMICS
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                                                                                                                                                                                                                                                                       methylation status.
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31-JAN-1986;
26-APR-1986;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-JUL-1986;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kakutani T,
Watanabe K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-FEB-1987
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29-APR-1991
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAN70553;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99989, ABF00010-ABF9989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                               SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Set of oligonucleotides, useful for diagnosis and cell typing, idesigned to detect single-nucleotide polymorphisms and cytosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Oligonucleotide SEQ ID NO 228161 for detecting SNP TSC0055641.
                       Oligonucleotide SEQ ID NO 228162 for detecting SNP TSC0055641.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; SEQ ID NO 228162; 29pp + Sequence Listing; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       49.0%; Score 9.8; DB 1; Length 13; 84.6%; Pred. No. 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                    Berlin K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABH28184 standard; DNA; 13 BP.
                                                                                                                                                                                                                                                                                              06-APR-2001; 2001WO-IB000713.
                                                                                                                                                                                                                                                                                                                                           07-APR-2000; 2000DE-01019173,
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                                                                                                                                                                                                                                                                                                                                                                                       (EPIG-) EPIGENOMICS AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-657177/75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                designed to detect methylation status.
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Best Loca Matches

ઠ 셤 43 RESULT 43 ABH28184

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Gaps

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Kawaharada H;

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New chromosomal DNA coding for human tissue plasminogen activator -
useful in expression vectors for high yield prodn. of activator by large
scale suspension culture.
                                                                                                                                            The probe is used in an example to exemplify the cloning of TPA gene (Updated on 25-MAR-2003 to correct PA field.)
                                                                                                                                                                                                         Sequence 14 BP; 4 A; 4 C; 4 G; 2 T; 0 U; 0 Other;
                                                                                                     Example; p29; 70pp; English
XFFFX8XCCX8
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DB 1; Length 14; 2; Indels Pred. No. 55; 0; Mismatches th 49.0%; Score 9.8; Similarity 84.6%; Pred. No. 5: 11; Conservative 0; Mismatch 3 TCATGGTCACATG 15 Local Similarity Query Match Best Loca Matches ð

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Gaps ö

> 14 réacédrécard 2 a

ADQ30064/c ID ADQ30064 standard; DNA; 11 BP. (first entry) 09-SEP-2004 ADQ30064;

Rat VR1 exon 1d transcription factor binding fragment #140.

ds; VR1 receptor; vanilloid receptor type 1; modulator; pain transmission; primary sensory neuron; transcription factor; detection; MZF1; NFkappaB; NFAT; GATA1; sensitivity disorder; analgesia; hypalgesia; hyperalgesia; neuralgia; myalgia; rat.

Rattue ep.

WO2004053120-A2

24-JUN-2004.

01-DEC-2003; 2003WO-EP013522.

09-DEC-2002; 2002DE-01057421.

CHEF) GRUENENTHAL GMBH.

Schaefer MKH; Weihe E, Bieller A,

WPI; 2004-468868/44.

New nucleic acid that modulates expression of the vanilloid receptor-1, useful for control of pain or sensitivity disorders, comprises sequences from control regions of the receptor gene.

Disclosure, Page 48; 68pp; German.

This invention describes a novel nucleic acid containing a specific segment having at least one region that modulates expression of the VRI (vanilloid receptor type 1) receptor, or a functional derivative, allele or fragment of this region, or a segmence that hybridises to it under the positions 21931-22334 of GenBank AL670399, 31673-3635 of AL663116, or 4731-43211 or 36616-33151 of AR67319, 31673-3635 of AL663116, or pain, particularly in primary sensory neurons. The invention also pain, particularly in primary sensory neurons. The invention also this vector (other than human germ or embryonal stem cells) and a method for modulating expression of the VRI receptor by introducing the modulating expression of the VRI receptor by introducing the modulator or the vector into a cell that contains the VRI gene. The products of the invention are used for detecting a transcription factor from its binding to a regulatory sequence (or a double-erranded cliem of it), e.g. by Western blotting or enzyme-

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       associated with overexpression or underexpression of the transcription factor. The region that modulates VR1 receptor expression includes a binding site for a transcription factor, e.g. MZF1, NFRappaB, NFAT or GATA1. The nucleic acids of the invention, or vectors containing them, are used for prevention or treatment of pain, also for treating sensitivity disorders, e.g. analgesia, hypalgesia or hyperalgesia, also neuralgia and myalgia, that are associated with activity of the VR1 receptor. This sequence represents a fragment of rat VR1 exon 1d DNA which is capable of binding to a transcription factor.
                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; peroxisome proliferator activated receptor gamma; PPAR-gamma, regulatory sequence; promoter; obesity; anorexia; lipoma; cachexia; lipodystrophy; liposarcoma; human immunodeficiency virus; HIV; insulin resistance; non-insulin-dependent diabetes mellitus; polycystic ovary syndrome; gastrointestinal tract; Crohn's disease; inflammatory bowel disease; ulcerative colitis; bowel cancer; ss.
linked immunosorbant assay, particularly for diagnosis of diseases
                                                                                                                                                                                                                         .
                                                                                                                                                                                          Score 9.4; DB 1; Length 11; Pred. No. 47; 0; Mismatches 1; Indels
                                                                                                                                                              Sequence 11 BP; 2 A; 3 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PPAR-gamma-3-E-box SEQ ID NO:41.
                                                                                                                                                                                                                                                                                                                                                          AAX19072 standard; DNA; 13 BP
                                                                                                                                                                                           Query Match
Best Local Similarity 90.9%;
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                     3 TCATGGTCACA 13
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                                                                                                                                                                                                                                                                                                                                                                                         AAX19072;
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Newly isolated nucleic acid comprising a control region of a human percoxisone proliferator activated receptor (PPAR) gamma gene - useful for identifying modulators that are useful in treating diseases associated with abnormal levels of human PPAR-gamma gene expression. WPI; 1999-142844/12.

Auwerx J, Fajas L;

(LIGA-) LIGAND PHARM INC. (INSP) INST PASTEUR. Briggs MR, Saladin RS,

25-JUL-1997; 24-JUL-1998;

98WO-US015411. 97US-0053692P

04-FEB-1999.

Disclosure; Page 91; 102pp; English

The present invention describes an isolated, purified or enriched nucleic acid comprising a control region of a human peroxisome proliferator activated receptor gamma (PPAR-gamma) gene. The nucleic acids are useful for screening for agents capable of modulating the expression of a human PPAR-gamma gene. These agents (modulators) form pharmaceutical compositions that are useful for treating diseases associated with high/low levels of human PPAR-gamma gene expression. The diseases include obesity, anorexia, cachexia, lipodystrophy, lipomas, lipodaccomas, abnormalities associated with anti-human immunodeficiency virus (HIV) treatment, insulin resistance, non-insulin-dependent diabetes mellitus

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(NIDDM), polycystic ovary syndrome, diseases of the gastrointestinal (GI) tract, inflammatory bowel disease, Crohn's disease, ulcerative colitis and bowel cancer. The nucleic acids are useful for studying the role of the PPAR-gamma gene in various diseases and disorders. The structure of PPAR-gamma enables genetic studies of PPAR-gamma mutations in humans, and evaluation of its role in disorders like insulin resistance, NIDDM, and diseases associated with altered adipose tissue function, like obesity and lipodystrophic syndromes. The nucleic acids are also useful for gene therapy and the production of transgenic animals, which are useful in screening for modulators of the human PPAR-gamma gene, which are useful in designing drugs for treating disorders or diseases associated with the level of PPAR-gamma ene expression. The present sequence represents the human PPAR-gamma -1-E-box
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Analyzing haplotype, by detecting polymorphism in drug-related genes, electing common polymorphism (CP), building haplotype block using CP, specifying CP within block, specifying tag polymorphism from CP within
                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ss; haplotype mapping; SNP detection; tumor; cytostatic; neoplasm; minune disorder; cardiovascular disease; metabolic disorder; respiratory disease; musculoskeletal disease; renal disease; nephrotropic; endocrine disease; genitourinary disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human SNP detection related oligonucelotide #1689.
                                                                                                                                                                                                                                                   Sequence 13 BP; 4 A; 2 C; 2 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                Score 9.4; DB Pred. No. 59; 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADZ24722 standard; DNA; 13 BP.
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                                                                                                                                                                                                                                                                                    47.0%;
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28-MAY-2004; 2004JP-00158717.
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Best Local Similarity 90.5-
Local 10; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                 11 GTCACATGAAT 1
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(STAG-) STAGEN CO LTD.
(SEKI/) SEKINE A.
                                                                                                                                                                                                                                                                                                                                                    8 GTCACATGGAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (STAG-) STAGEN CO
(SEKI/) SEKINE A.
(IIDA/) IIDA A.
(SAIT/) SAITO S.
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                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 47
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        8X8888888888888888888888888
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The invention relates to a method of analyzing haplotype, by detecting gene polymorphism in drug-related genes such as arryl accetylamide deacetylase, arylalkylamine N-acetyl transferase or APP-binding cassette, sub-family A (ABC1), member 1. The method is useful for analyzing

Disclosure; SEQ ID NO 1689; 1290pp; Japanese.

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haplotype. The method is useful for estimating the sensitivity or disease of a medicine or a foreign material, for selecting medicine for preventing or treating diseases, for determining appropriate dosage of medicine for preventing or treating disease, for analyzing a drug interaction, and for determining the related polymorphism relative to the sensitivity of the medicine, foreign material or disease. The diseases include malignant tumor, immune disorder circulatory disease, metabolic disease, kidney disease, respiratory disease and muscle associated disease. The method enables analysis of the individual differences related to the sensitivity of a medicine, using a haplotype, without using each single nucleotide polymorphism. The present sequence represents a human SNP detection related oligonucelotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 polyamīde chain"
/note= "Polyamide chain binds to the minor groove of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.
                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gene expression; transcription factor inhibitor; DNA footprinting;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /bound_moiety= "Imidazole- and pyrrole-containing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1; Length 13;
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                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dsDNA in a sequence-specific manner"
                                                                                                                                                                                                Sequence 13 BP; 2 A; 5 C; 3 G; 3 T; 0 U; 0 Other;
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90.9%; Pred. No. 59;
tive 0; Mismatches
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97US-0043444P.
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97US-00837524.
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08-MAY-1997;
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08-APR-1997;
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ADG13736;
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                  The invention relates to a polyamide molecule which specifically binds to a predetermined site in the minor groove of a double-stranded DNA molecule in a sequence-specific manner and which contains an alpha-amino acid domain (termed the "positive patch") which contacts nuclectides in the major groove and thus inhibits the activity of major groove DNA-binding proteins. The polyamide molecule comprises one or more amino acids containing a N-methylpyrrole, 3-hydra-methylpyrrole and/or N-methylimidazole group, where one or more of these amino acids, and a positive patch consisting of a 2 amino acid rigid group adjacent to a positive patch consisting of a 2 amino acid rigid group adjacent to a positively charged group (such as a positively charged amino acid). The polyamides of the invention inhibit gene appread of inhibiting gene expression by contacting a regulatory sequence of a gene with a polyamide of the invention also relates to a method of inhibiting gene expression. Sequences AED86939-binding proteins, thus inhibiting gene expression. Sequences AED86939-binding proteins, thus inhibiting gene expression. Sequences AED86939-binding proteins, thus inhibiting gene expression. Sequences AED86939-binding by a polyamide of the invention. This capable of being bound by a polyamide of the invention. This clivention to determine the optimum positive patch peptide sequence for invention to determine the optimum positive patch peptide sequence for
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /bound_moiety= "Imidazole- and pyrrole-containing
polyamide chain with Arg-Pro-Arg positive patch"
/note= "Polyamide chain binds to the minor groove of the
dsDNA in a sequence-specific manner"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /noce "Polyamide chain binds to the minor groove of the dsDNA in a sequence-specific manner"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gene expression; transcription factor inhibitor; DNA footprinting; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /bound molety= "Imidazole- and pyrrole-containing polyamide chain with Arg-Pro-Arg-Arg-Arg-Arg positive
                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /bound moiety= "Imidazole- and pyrrole-containing polyamIde chain"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tage a
/bound_moiety= "Bases 13-1 of SEQ ID NO:12"
                                                                                                                                                                                                                                                                                                                                                                            47.0%; Score 9.4; DB 1; Length 13; 90.9%; Pred; No. 59; 1; Indels tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Polyamide-binding target oligonucleotide I, SEQ ID NO:13
                                                                                                                                                                                                                                                                                                                                                     Sequence 13 BP; 5 A; 2 C; 2 G; 4 T; 0 U; 0 Other;
Example 4; SEQ ID NO 12; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                         inhibition of protein binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AED86940 standard; DNA; 13 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                           10; Conservative
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Best Local Similarity
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Matches
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The invention relates to a polyamide molecule which specifically binds to a predetermined site in the minor groove of a double-stranded DNA molecule in a sequence-specific manner and which contains an alpha-amino acid domain (termed the "positive patch") which contacts nuclectides in the major groove and thus inhibits the activity of major groove DNA-binding proteins. The polyamide molecule comprises one or more amino acids containing a N-methylpyrrole, 3-hydroxy-N-methylpyrrole and/or N-methylimidazole group, where one or more of these amino acid(s) are not alpha-amino acids, and a positive patch consisting of a 2 amino acid crigid group adjacent to a positively charged group (such as a positively charged amino acid). The polyamides of the invention inhibit gene expression by displacing or preventing the function of DNA-binding proteins such as transcription factors. The invention also relates to a captude of inhibiting gene expression by contacting a regulatory sequence invention is useful for inhibiting the binding and activity of DNA-binding proteins, thus inhibiting gene expression. Sequences AED86939-conding proteins, thus inhibiting the binding and activity of DNA-binding proteins, thus inhibiting the binding and activity of DNA-binding proteins, thus inhibiting the binding and activity of DNA-binding proteins, thus inhibiting the binding and activity of DNA-binding acides and used in DNA-binding and activity of DNA-conding and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel polyamides comprising amino acids having N-methylpyrrole, 3-hydroxy-N-methylpyrrole and/or N-methylimidazole groups and positive patches having rigid groups adjacent to positively charged groups, useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; 88; EGFR; epidermal growth factor receptor; HER1; HER2; HER3; HER4; hammerhead ribozyme; inozyme; zinzyme; DNAzyme; amberzyme; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 13 BP; 4 A; 2 C; 2 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                      97WO-US003332.
97US-0043444P.
97US-0042022P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-FEB-2004 (first entry)
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Best Local Similarity 90.9
Matches 10; Conservative
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US6958240-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-MAY-1997;
                                                                                                                                                                                            12-AUG-1999;
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                                                                                           25-OCT-2005
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The invention relates to a double stranded short interfering RNA (siRNA)

molecule that inhibits expression of epidermal growth factor receptor

EGGRN gene (e.g. HER1-4) by RNA interference is new. Also included is an

expression vector comprising a nucleic acid sequence encoding siRNA

molecule(s) in a manner that allows expression of the nucleic acid

molecule. The siRNA molecules comprise hammerhead ribozymes, inozymes,

amberzymes zinzymes and DNAzymes. The invention is used for inhibiting

expression of EGFR. It can be used for treatment of cancer, stomach

cancer, colorectal cancer, brain cancer, oesophageal cancer, stomach

cancer, ovarian cancer, melanoma, lymphoma, glioma, multidrug resistant

cancer or a brain tumour. The invention has enhanced shelf-life, half-

life in vitro, stability, and ease of introduction of oligonucleotide to

target site. The present sequence is an EGFR/HER1-4 target sequence for

an siRNA of the invention.
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brain tumour; cytostatic; short interfering RNA; siRNA; RNA interference; prostate cancer; colorectal cancer; brain cancer; oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer; cervical cancer; head and neck cancer; ovarian cancer; melanoma; lymphoma; glioma; multidrug resistant cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New double stranded short interfering ribonucleic acid molecule for inhibiting expression of epidermal growth factor receptor gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45.0%; Score 9; DB 1; Length 9;
66.7%; Pred. No. 5e+02;
cive 3; Mismatches 0; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 9 BP; 2 A; 2 C; 2 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human EGFR Amberzyme target sequence #26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 7; SEQ ID NO 163; 113pp; English
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                                                                                                                                                                                                                                                                                                    04-DEC-1997; 97US-009B5162.
22-SEP-1999; 99US-00401063.
03-MAY-2001; 2001US-00848754.
25-JUL-2001; 2001US-00916466.
                                                                                                                                                                                                                                             21-OCT-2002; 2002US-00277494
                                                                                                                                                                                                                                                                                     97US-0036749P
                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC.
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1 UCAUGGUCA 9
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Best Local Similarity
                                                                                                                                                            US2003186909-A1.
                                                                                                                         Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mcswiggen J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 51
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The invention relates to a double stranded short interfering RNA (siRNA)

molecule that inhibits expression of epidermal growth factor receptor

CEGER) gene (e.g. HERL-4) by RNA interference is new. Also included is an

expression vector comprising a nucleic acid sequence encoding siRNA

molecule(s) in a manner that allows expression of the nucleic acid

molecule. The siRNA molecules comprise hammerhead ribozymes, inozymes,

concer. The siRNA molecules comprise hammerhead ribozymes, inozymes,

concer. The siRNA molecules comprise hammerhead ribozymes,

concer. Diadder cancer, brain cancer, oesophageal cancer, stomach

cancer, bladder cancer, melanoma, lymphoma, glioma, multidrug resistant

cancer or a brain tumour. The invention has enhanced shelf-life, half-

life in vitro, stability, and ease of introduction of oligonucleotide to

target site. The present sequence is an EGFR/HERI-4 target sequence for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                New double stranded short interfering ribonucleic acid molecule for
cancer; ovarian cancer; melanoma; lymphoma; glioma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
                                                                                                                                                                                                                                                                                                                                                                inhibiting expression of epidermal growth factor receptor gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                            Claim 7; SEQ ID NO 130; 113pp; English
                                                                                                                                                                            97US-00985162.
99US-00401063.
                                                                                                                                    21-OCT-2002; 2002US-00277494.
                                                                                                                                                                                                          03-MAY-2001; 2001US-00848754
head and neck cancer; ovar:
multidrug resistant cancer
                                                                                                                                                                                                                                                       (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       an siRNA of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAN80414 standard; DNA; 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (revised)
(first entry)
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1 UCAUGGUCA 9
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Best Local Similarity
                                                                         US2003186909-A1.
                                              Homo sapiens
                                                                                                                                                                                              22-SEP-1999;
03-MAY-2001;
                                                                                                                                                                27-JAN-1997;
                                                                                                                                                                              04-DEC-1997;
                                                                                                                                                                                                                                                                                        Mcswiggen J;
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16-OCT-1990
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                                                                                                      02-OCT-2003
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Page 28

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This linker is part of a pair which is attached to the N-terminal of a fragment contg. the human interferon alpha-1 gene. A 207 bp prod. with a BamHi terminal is the result. This provides fer matching to expression regulatory signals and, since 2 promoters can be incorporated into the final vector, a high level of expression is obtained. The 5' end of the complementary strand by GAYC. The 5' end of the complementary strand by GAYC. The 5' end of the complementary strand of the sense strand by GTAG. (Updated on 25-MAR-2003 to correct PA field.) (Updated on 25-MAR-2003 to correct PA field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New mammalian model for enhanced wound healing - useful for identifying enhanced wound healing genes.
                                                                                                                                                             Prodn. of expression plasmid for mature human interferon alpha - from series of intermediate plasmids contg. separate C and N terminal gene regions derived from single gene bank clone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wound healing; non-MRL healer mouse; quantitative trait locus; QTL; healing response; microsatellite marker; treatment; central nerve; peripheral nerve; nerve injury; SAGE tag; murine; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                 45.0%; Score 9; DB 1; Length 11; 100.0%; Pred. No. 56; tive 0; Mismatches 0; Indels
                                                                                                      Reichardt W, Walter F, Birchhirsc ETM;
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 11 BP; 2 A; 2 C; 3 G; 4 T; 0 U; 0 Other;
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                                                                        (DEAK ) AKAD WISSENSCHAFTEN DDR
                                                                                                                                                                                                                        Claim 1; Page 1; 18pp; German.
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             86DD-00286634.
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                                           86DD-00286634
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                                                                                                                                 WPI; 1988-056899/09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Heber-Katz E;
                                           31-JAN-1986;
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28-SEP-1998;
                                                                                                      Hartmann M,
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This invention describes a novel non-MRL healer mouse (M) having at least one quantitative trait locus selected from those given in the specification, exhibiting an enhanced healing response to a wound compared to mice (M) without the locus. The invention describes a novel method of identifying a gene involved in enhanced wound healing by identifying DNA microsatellite markers which can distinguish healer mice from non-healer mice and identifying microsatellite markers which can conform the enhanced wound healing in progeny of the mice, where a chromosomal locus contraining at least one enhanced wound healing gene is identified. A method of treating a wound in a mammal is also disclosed. The new methods are useful for treating wounds, especially central and conformation after nerve injury in a mammal is also disclosed. The new methods for wound healing, useful for identifying genes a mammalian model of enhanced wound healing, useful for identifying genes cand gene products involved in enhanced wound healing, and to provide methods for wound healing. AAZ18691-Z19036 represent murine SAGE tags from GS7BL/6 and MRL mice which are used to illustrate the method of the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human, CYP3A5, polymorphism, cancer, cardiovascular disease, diabetes, AIDS, African American, forensic marker, pharmacological, cytostatic, antidiabetic, anti-HIV, gene therapy, ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.0%; Pred. No. 56;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human CYP3A5 gene polymorphic variant DNA sequence #37.
                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 11 BP; 3 A; 3 C; 3 G; 2 T; 0 U; 0 Other;
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Claim 13; Page 57; 136pp; English.
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29-DEC-2000; 2000US-0258952P
16-JAN-2001; 2001EP-00100172
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2000US-0258952P.
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16-AUG-2001; 2001EP-00118884
16-AUG-2001; 2001US-0312825P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6 TGGTCACAT 14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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Claim 1, Page 50; 138pp; English

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Tiling strategy; immobilised nucleic acid probe array; mitochondrial DNA; D-loop region; biological chip; hybridisation fingerprint; interrogation position; ss.
                             polypeptide, where the polymocleotide is capable of hybridishing to a CYPAS gene. The invention is useful in an in vitro method for diadentifying a polymorphism. The invention is also useful for useful for diagnosing a disorder related to the presence of a molecular variant of a CYPAS or susceptibility to such a disorder, where the disorder is cancer, or diseases including cardiovascular diseases, diabetes and AIDS. The invention can further be used for the preparation of a diagnostic composition for diagnosing a disease in a subject having a genome comprising a variant allele of the CYPAS gene, where the subject is an African American. The molecules of the invention are as forensic markers and in pharmacological studies. The present nucleic acid sequence represents a human CYPAS gene polymorphism variant DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A DNA chip was prepared for analysing sequences contained in a 1.3kb fragment of human mitochondrial DNA from the D-loop region, the most polymorphic region of human mitochondrial DNA. The chip comprised a set
                 present invention relates to a new CYP3A5 polynucleotide encoding a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /*tag= a
/note= "3'-end of probe is covalently attached to chip
surface"
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Lipshutz RJ, Lobban PE, Miyada CG, Morris MS, Shah N, Sheldon EL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New arrays of oligo:nucleotide probes - used for comparing known sequences with variants for detection of mutation(s) and sequencing
                                                                                                                                                                                                                                                                                                                                    Query Match 45.0%; Score 9; DB 1; Length 11; Best Local Similarity 100.0%; Pred. No. 56; Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                  Sequence 11 BP; 3 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human mitochondrial D-loop region DNA probe 6-10.
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94US-00284064.
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modified_base
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of 268 overlapping oligonucleotide probes (see AAQ88421-Q88684) of varying length (9-14 nucleotides) with varying overlaps arranged in a lom x clm array. Each position in the sequence was represented by at least one probe (usually 2 or more). DNA was amplified from six human donors and then transcribed to give the 1.3kb RNA transcripts which were hybridised to the chip. For each individual, a unique hybridisation fingerprint was produced on the chip; all differences could be correlated with differences in the cloned genomic DNA sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Differential screening of gene expression by reverse transcription polymerase chain reaction – uses random priming with primers selected for high efficiency and selectivity by computer screening of database(s).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RT-PCR; primer; amplification; reverse transcription; RNA fingerprinting;
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                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                        45.0%; Score 9; DB 1; Length 12; 100.0%; Pred. No. 63; 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   coding sequences and to compare known and new genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Random primed reverse transcription PCR primer 114.
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                                                                                                                                                                                     Sequence 12 BP; 2 A; 3 C; 4 G; 3 T; 0 U; 0 Other;
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Best Local Similarity 100...
Thes 9; Conservative
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45.0%; Score 9; DB 1; Length 12;

AAH23540, RESULT

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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, contran envious system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI32073 tapeseen the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                                                                                                                                        SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SNP, single nucleotide polymorphism, human, diagnosis, PNA, cancer, CNS, peptide nucleic acid, cytosine methylation, cardiovascular, primer, 88;
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                                                                                                                                                                                               Oligonucleotide primer SEQ ID NO 282113 for detecting SNP TSC0010416.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      oet or oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
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44.0%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 69;
Matches 10; Conservative 0; Mismatches 2; Indels
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                                                                  ABH82120 standard; DNA; 12 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (EPIG-) EPIGENOMICS AG
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                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
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                       RESULT 58
ABH82120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag* a
/mod_base* OTHER
/note* "linked to AAB99988 by 8-amino-3,6-dioxaoctanoic
acid"
                                                                                                                                                                                                                                                                                                                                                                                                       Peptide nucleic acid; PNA; antimicrobial; antibiotic; cationic peptide;
                       Gaps
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                       1; Indels
                                                                                                                                                                                                                                                                                                                                                           Antibacterial peptide nucleic acid oligonucleotide #49
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83.3%; Pred. No. 69;
Live 0; Mismatches
  Pred. No. 63;
1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 3; Page 35; 57pp; English.
                                                                                                                                                                                                                        AAH23540 standard; DNA; 12 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13-OCT-2000; 2000WO-DK000581.
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99US-0159683P.
81.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                              antisense; disinfectant; ss.
                                                                                                                                                                                                                                                                                                               (first entry)
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                       9; Conservative
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                                                                6 TGGTCACATGG 16
                                                                                                            TGGTCACGTGS 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-290722/30.
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Best Local Similarity
Matches 9; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Key
modified_base
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                                                                                                                                                                                                                                                                                                               03-AUG-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-APR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                    AAH23540;
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                                                                                                                                                                                                                                                                                                                                                        This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99989, ABF00010-ABF9989, ABF00010-ABF9989, ABF00010-ABF9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                              Set of oligonucleotides, useful for diagnosis and cell typing, idealgned to detect single-nucleotide polymorphisms and cytosine methylation status.
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                                                                                                                                                                                                                                                                                                                              Claim 1; SEQ ID NO 308269; 29pp + Sequence Listing; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  44.0%; Score 8.8; DB 1; Length 12; 83.3%; Pred. No. 69; 2; Indels tive 0; Mismatches 2; Indels
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bound_moiety= "Itself"
note=""Binds nucleotides 12-9 of itself"
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/*tag= b/bound moiety= "Itself"
/note= "Binds nucleotides 4-1 of itself"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                         Berlin
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                                                                                                                  06-APR-2001; 2001WO-IB000713.
                                                                                                                                              07-APR-2000; 2000DE-01019173.
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                                                                                                                                                                                                         Piepenbrock C,
                                                                                                                                                                            (EPIG-) EPIGENOMICS AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
nes 10; Conserva
                                                                                                                                                                                                                                       WPI; 2001-657177/75
                                                         WO200177384-A2
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                               Homo sapiens
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                                                                                     18-OCT-2001
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Matches
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Producing a small, interfering RNA (siRNA) by providing a first or second RNA construct comprising a first or second ribozyme operably linked to a sense or an antisense strand, respectively of an siRNA.
                                                                                                                                                                                                                                                                      This invention relates to a novel method of producing a small interfering RNA (siRNA). The method comprises providing a first RNA construct comprising a first ribozyme operably linked to a sense and antisense strand of an siRNA and placing the first and second RNA constructs under conditions where the first and second ribozyme catalyze the cleavage of the sense and antisense strands of the siRNA from the first and second RNA constructs used during the exemplification of the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New stable oligo:nucleotide duplex with 3'-steroid gp - including intramolecular duplex with hairpin loop region, having selective cytotoxicity against some tumour cells.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Steroid; anticancer; antitumour; cytotoxic; duplex; linker;
                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1; Length 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Anticancer duplex forming oligonucleotide SEQ ID #35.
                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 12 BP; 5 A; 2 C; 3 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pai BS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                            2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                   44.0%; Score 8.8; Dl 66.7%; Pred. No. 69;
                                                                                                                                                                                                                                                 Example 1; SEQ ID NO 15; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Meyer RB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   multiple drug resistance; MDR; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAX32635 standard; DNA; 10 BP
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                                                    28-MAY-2004; 2004WO-US017034
                                                                               29-MAY-2003; 2003US-0474001P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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Best Local Similarity 66.77
Rest Local 8, Conservative
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                                                                                                                                     Kertsburg A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (MICR-) MICROPROBE CORP.
                                                                                                         (UYCR-) UNIV CREIGHTON
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                                                                                                                                                               WPI; 2005-075534/08.
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WO2005001039-A2
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                           06-JAN-2005
                                                                                                                                       Soukup GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 61
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Best Local Similarity

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New oligonucleotides are disclosed which are 8-18 nucleotides in length and which have a steroid structure attached to the 3'-end through a linker attached to the A-ring of the steroid skeleton. In particular, the present sequence has a cholesteroid noiety attached by its A-ring to to the 3'-phosphate through a carbonyl group attached to the ring nitrogen of a moiety derived from 4-hydroxy-2-hydroxymethyl- pyrrolidine. The oligonucleotides form stable duplexes at physiological temperature and have selective cytotoxic activity against certain tumour cell lines, including some with multiple drug resistance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New oligonucleotides are disclosed which are 8-18 nucleotides in length and which have a steroid structure attached to the 3'-end through a printer attached to the A-ring of the steroid skeleton. In particular, the present sequence has a cholesterol moiety attached by its A-ring to to the 3'-phosphate through a carbonyl group attached by its A-ring to to of a moiety derived from 4-hydroxy-2-hydroxymethyl- pyrrolidine. The oligonucleotides form stable duplesses at physiological temperature and have selective cytotoxic activity against certain tumour cell lines, including some with multiple drug resistance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New stable oligo:nucleotide duplex with 3'-steroid gp - including intramolecular duplex with hairpin loop region, having selective cytotoxicity against some tumour cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Steroid, anticancer, antitumour; cytotoxic; duplex; linker; multiple drug resistance; MDR; ss.
                                                                                                                                                                                                                                                                                            DB 1; Length 10;
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                                                                                                                                                                                                                                                                                                                                 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Anticancer duplex forming oligonucleotide SEQ ID #31
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                                                                                                                                                                                                                                                      Sequence 10 BP; 3 A; 3 C; 3 G; 1 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                        Query Match
42.0%; Score 8.4; DB
Best Local Similarity 90.0%; Pred. No. 64;
Matches 9; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure, Page 56, 107pp, English.
                Disclosure; Page 57; 107pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAX32631 standard; DNA; 10 BP.
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                                                                                                                                                                                                                                                                                                                                                                       10 CACATGGATG 19
                                                                                                                                                                                                                                                                                                                                                                                                            1 CACACGGATG 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene or
             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New non-pathogenic HIV-1 strain carrying a deletion in its nef gene
LTR region - can be used in a vaccine to inhibit/reduce productive
infection in an individual by a pathogenic strain.
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                                                                                                                                                                                                                                                    HIV-1; AIDS; attenuation; vaccine; nef gene; avirulence; ss.
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               Indels
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                                                                                                                                                                                                                            HIV-1 NL4-3 nef gene nucleotide deletion 522
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Pred. No. 64;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                         (MACF-) MACFARLANE BURNET CENT MEDICAL.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 13; Page 195; 301pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AURE-) AUSTRALIAN RED CROSS SOC
                                                                                                                                                                                                                                                                              Human immunodeficiency virus 1.
                                                                                                                                                                                                                                                                                                                                                                                   94AU-00003864.
94AU-00004002.
94AU-00000284.
                                                                                                                                 AAQ96927 standard; DNA; 10 BP
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90.08;
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                                                                                                                                                                                     (revised)
(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Deacon NJ, Learmont JC,
               9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 CTCATGGTCA 11
                                       10 CACATGGATG 19
                                                                 1 CACATGGGTG 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1995-293115/38
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21-FEB-1994;
                                                                                                                                                                                                                                                                                                         WO9521912-A1
                                                                                                                                                                                                                                                                                                                                                                                                             23-DEC-1994;
                                                                                                                                                                                     16-OCT-2003
26-MAR-1996
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                                                                                                                                                                                                                                                                                                                                   17-AUG-1995
                                                                                                                                                           AAQ96927;
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Matches
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               Matches
                                                                                                                     AAQ96927,
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The present invention describes a method of identifying the type of cell in a sample, involving determining which of the sequences AAH63161-AAH64724 is expressed by the cell. The transcriptomes described in the invention are cell-type specific, cancer specific or ubiquitously expressed in humans. They can also be used to screen for drugs, reduce cancer specific gene expression, standardise expression and restore the function of a diseased cell or tissue. The present sequence is one of the transcriptomes described in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                           New isolated polynucleotides, useful for identifying specific cell type, such as cancer cell, comprises transcriptomes expressed in particular
                                          Human, transcriptome, gene expression pattern; cancer; drug screening; cancer diagnosis; cell specific gene expression; ss.
             Human colon epithelium specific transcriptome sequence SEQ ID NO: 64.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Yeast, Saccharomyces cerevisiae, characterisation, cell cycle, NORF, nor previously assigned open reading frame, nonannotated ORF, SAGE, serial analysis of gene expression; antifungal; tag; identification;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 42.0%; Score 8.4; DB 1; Length 10; 90.0%; Pred. No. 64; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:5364.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 10 BP; 3 A; 2 C; 1 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                Kinzler KW;
                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; Page 40; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAF38625 standard; DNA; 10 BP.
                                                                                                                                                                                                                                                                                Vogelstein B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99US-00335032.
                                                                                                                                                                                     21-NOV-2000; 2000WO-US031922.
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                                                                                                                                                                                                                                                UYJO ) UNIV JOHNS HOPKINS
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                                                                                                                                                                                                                                                                                                              WPI; 2001-367706/38.
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les 9; Conserv
                                                                                                                                                                                                                                                                                Velculescu VE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VO200077214-A2
                                                                                                                       40200138577-A2
                                                                                                                                                                                                                  24-NOV-1999;
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                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23-MAR-2001
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                                                                                                                                                                                                                                                                                                                                                                              cell types.
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Matches
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The present invention describes an isolated DNA molecule comprising a coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned open reading frame; or nonannotated ORF) genes comprising a SAGE (serial analysis of gene expression) tag. Also described are: (1) a method (M1) of using NORF genes to affect the cell cycle comprising administering a NORF gene whose expression varies by at least 10% between any two phases of the cell cycle selected from log phase, S phase and G2/M; (2) a method (M2) for screening candidate cell; and (b) monitoring expression of a NORF gene whose expression of antifungal drugs comprising: (a) contacting a test substance which a yeast cell; and (b) monitoring expression of a NORF gene whose expression of the yeast gene is a candidate antifungal drug; (3) a method (M3) for identifying human genes which are involved in cell cycle progression comprising contacting human DNA with a probe which comprises at least 10 contiguous nucleotides of a NORF gene whose expression varies as in M1; and (b) a method (M4) for identifying a candidate drug as a member of a class of drugs having a characteristic effect on gene expression in a yeast cell comprising contacting a yeast cell with a candidate drug and expression is a flected by the class of thugs. The NORF genes may be used to identify candidate drugs which affect the cell cycle the cell cycle the cell cycle as expressed may be used to identify candidate drugs. The NORF genes may be used to identify candidate drugs. The NORF genes may be used to identify candidate drugs. The NORF genes may be used to identify candidate drugs. Which affect the cell cycle the present invention.
                                                                                                                       Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) tags, useful for studying, monitoring and affecting phases of the cell cycle.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  method, in the exemplification of the present invention
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                                         ×
                                           Kinzler
                                                                                                                                                                                                                   Example; Page 191; 419pp; English
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                                           Vogelstein B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Query Match
Best Local Similarity 90.uv,
Fina 9; Conservative
SNIX4OH SNHOL VINU ( OLYU)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23-MAR-2001 (first entry)
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                                                                                     WPI; 2001-061874/07.
                                           /elculescu V,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAF41055;
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Gaps

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Kinzler K;

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The present invention describes an isolated DNA molecule comprising a coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned open reading frame, or nonamnotated ORF) genes comprising a SAGE (serial analysis of gene expression) tag. Also.

Comprising a SAGE (serial analysis of gene expression) tag. Also.

Comprising a SAGE (serial analysis of gene expression) tag. Also.

Comprising a SAGE (serial analysis of gene expression) tag. Also.

Comprising a SAGE (serial analysis of gene expression) tag. Also.

Comprising a SAGE (serial analysis of gene expression) tag. Also.

Comprising a SAGE (serial analysis of serial by a test substance with a yeast cantifungal drug; (a) a method (Ma) for screening candidate are antifungal drug; (j) a method (Ma) for the yeast gene is a candidate antifungal drug; (j) a method (Ma) for identifying unal genes which are involved in cell cycle progression to comprising contacting human DNA with a probe which comprises at lm Mi; and (4) a method (M4) for identifying a candidate drug as a member of a class of drugs having a characteristic effect on gene expression in a contiguous nucleocidaes of a norm of serial and serial serial and serial and serial and serial and serial and serial and serial serial and serial serial and serial serial and serial serial serial and serial serial serial serial serial and serial seria
                                                                                                                                                                                                                                                       Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) tags, useful for studying, monitoring and affecting phases of the cell cycle.
                                                                                                                                                                                                                                                                                                                                                                                 Example; Page 278; 419pp; English.
                        16-JUN-1999; 99US-00335032.
                                                                                                                                            Vogelstein B,
                                                                               SNINGO UNIV ( OLYU)
                                                                                                                                                                                                   WPI, 2001-061874/07.
                                                                                                                                            /elculescu V,
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DB 1; Length 10; Sequence 10 BP; 2 A; 4 C; 2 G; 2 T; 0 U; 0 Other; 42.0%; Score 8.4; DB 90.0%; Pred. No. 64; iive 0; Mismatches

Query Match Best Local Similarity 90.0° 6 TGGTCACATG 15 10 TGGTCACAGG 1

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RESULT 67

AAS98404 standard; DNA; 10 BP, AAS98404;

12-MAR-2002 (first entry)

Galanin receptor gene GALR1 allele-specific oligonucleotide #116.

Galanin receptor; GALR1; human; single nucleotide polymorphism; SNP; drug discovery; haplotyping; infectious diarrhoes; growth hormone deficiency; allele-specific oligonucleotide; ss.

Homo sapiens

#0200179237-A2.

25-OCT-2001

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The invention relates to genotyping human galanin receptor (GALRI) gene of an individual, involving determining for the two copies of the GALRI Come or more polymorphic sites. The method is useful for determining come or more polymorphic sites. The method is useful for determining come or more polymorphic sites. The method is useful for determining come or more polymorphic sites. The method is useful for determining come or more polymorphic sites. The method is useful for determining come or more polymorphic sites. The method is useful for determining come specification. This is useful for improving the efficacy and reliability of several steps in the discovery and development of drugs for treating diseases associated with GALRI activity, and in the dealgn of clinical trials of candidate drugs compared compared to the associated with GALRI activity, and in the dealgn of clinical trials of candidate drugs compared to the associated with GALRI activity. The method is useful to screen for compounds targeting GALRI to treat a specific conditions or disease associated with GALRI activity. The method is useful to screen for compounds the expression and function of GALRI, and in expressing GALRI protein for use in screening for candidate drugs to treat diseases related to GALRI activity. The polymucleotide or variant is useful for studying expression of the biological activity of GALRI as well as on the binding confituined for studying the effect of the variation on the biological activity of GALRI as well as on the binding confituined for studying the method of the formal for the method of the formal f
                                                                                                                                                                                                                                                                                                                   Genotyping human galanin receptor gene of an individual for determining haplotype of an individual, involves determining the identity of nucleotide pair at specific polymorphic sites for two copies of the gene
                                                                                                                                                                                                         Nandabalan K;
                                                                                                                                                                                                      Denton RR,
                                                                                                                                                                                                   Choi JY,
                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 18; Page 16; 99pp; English.
                                                                                                                                               PHARM INC
                           16-APR-2001; 2001WO-US012306
                                                                               14-APR-2000; 2000US-0197838P
                                                                                                                                                                                                   Chew A,
                                                                                                                                               (GENA-) GENAISSANCE
                                                                                                                                                                                                                                                                WPI; 2002-066341/09.
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Sequence 10 BP; 4 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Gaps ; 0 42.0%; Score 8.4; DB 1; Length 10; 90.0%; Pred. No. 64; 1; Indels 0; Mismatches Best Local Similarity 90.0 Matches 9; Conservative Query Match

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| |||||||| 1 AGATGGATGA 10 11 ACATGGATGA 20

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Gaps

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1; Indels

AAD26025 standard; DNA; 10 BP. AAD26025;

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Primer #27 to detect human PI4 gene polymorphisms.

26-MAR-2002 (first entry)

Human, protease inhibitor, PI4; kallistatin, therapy, polymorphic site, PS; haplotyping, genotyping, acute pancreatitis, drug screening; antiinflammatory; chromosome 14q31-q32.1; primer; ss.

Homo sapiens

WO200179227-A2

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(Kallistatin) gene of an individual, involves determining for the two copies of the PI4 gene present in the individual, the identity of the nucleotide pair at one or more polymorphic sites. PI 4 gene is located on chromosome 14431-432.1. Genotyping is useful for determining if an individual has a haplotype or haplotype pairs defined in the specification. Haplotype or haplotype pairs defined in the factory and development of drugs for treating diseases associated with PI4 activity, e.g. acute pancreating diseases associated with PI4 activity, e.g. acute pancreating, to validate PI4 as a candidate agent for treating a specific condition or disease predicted to be associated with PI4 activity, and in the design of clinical trials of candidate drugs for treating a specific condition or disease predicted to be associated with PI4 activity. The PI4 gene is useful in studying the expression and function of PI4, and in expressing PI4 protein for use in screening for candidate drugs to treat diseases related to PI4 activity. The present
                                                                                                                                                                                                                  Genotyping protease inhibitor 4 gene of individual for determining haplotype of individual, involves determining identity of nucleotide pair at specific polymorphic sites for two copies of gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Selectin L Lymphocyte Adhesion Molecule 1 (SELL) oligonucleotide #83.
                                                                                                                                                                                                                                                                                                                                   The present invention relates to genotyping protease inhibitor (PI) 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sequence is a primer to detect human PI4 gene polymorphisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; Selectin L Lymphocyte Adhesion Molecule 1; SELL;
neonatal pertussis; whooping cough; haplotyping; primer;
allele-specific oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 10 BP; 3 A; 1 C; 4 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                42.0%; Score 8.4; D 90.0%; Pred. No. 64;
                                                                                                                                                                                                                                                                                                Claim 18; Page 14; 79pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABKS5547 standard; DNA; 10 BP.
                                                                                                                                            Choi JY, Koshy B, Sanchis A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27-AUG-2001; 2001WO-US026675.
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                                                                                                         (GENA-) GENAISSANCE PHARM INC
                                                                      13-APR-2000; 2000US-0196990P.
                                   13-APR-2001; 2001WO-US012255.
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Best Local Similarity 90.0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11 ACATGGATGA 20
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                                                                                                                                                                                 WPI; 2002-075060/10
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25-OCT-2001
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The invention relates to an isolated polynuciatoride (I) comprising a neclectide sequence which is a polynucibit variant of a reference sequence for Selectin L Lymphocyte Adhesion Molecule 1 (SELI) gene. SELL polypeptide is useful for screening for drugs targething the polypeptide. Oligonuclectides derived from (I) are used to target SELL and a haplotype or haplotype pair of SELL gene. These are useful in developing diagnostic creates and therapeutic treatments for neonatal pertuesis (whooping cough). (I) is useful for studying the expression and function of SELL and adact diseases related to SELL activity. The polymorphism and haplotype or reat whooping cough, screening for such drugs and reducing bias in creat whooping cough, screening for such drugs and reducing bias in creat whooping cough, screening for such drugs and reducing bias in clinical trials of such drugs. Establishing the SELL haplotype or haplotype pair of an individual is useful for improving the efficiency and reliability of several steps in the discovery and development of creat whooping cough). The haplotyping method is useful to disease pertusis (whooping cough). The haplotyping method is useful to disease predicted to be associated with SELL activity, e.g. detecting or disease predicted to be associated with SELL activity, e.g. detecting which of the SELL haplotype plant or disease predicted to be associated with SELL activity, e.g. detecting which of the SELL haplotype plants present in individual cream or disease predicted to be associated with SELL activity, e.g. detecting which of the appoint of the most frequent SELL isoforms present to neces for compounds that display the highest desired agonist or antagonist activity for each of the most frequent SELL isoforms present controlling affinity of candidate drugs targeting SELL is useful in structured the binding affinities of one or more candidate drugs targeting the effect of the variation on the binding affinities of one or accompanial activity of series of the binding affinities of on Human; CD-39-like protein; CD39L2 protein; therapy; immune deficiency; autoimmune disorder; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; autoimmune thyroiditis; allergic reaction; asthma; insulin dependent diabetes mellitus; periodontal disease; osteoporosis; osteoarthritis; wound healing; tissue repair; Alzheimer's disease; ulcer; Parkinson's disease; nerve injury; isclerosis; Huntington's disease; nerve injury; isclerosis; Huntington's disease; endocoxin lethality; arthritis; nephritis; inflammatory bowel disease; Crohn's disease; virucide; antibacterial; antifungal; neuroprotective; Gaps The invention relates to an isolated polynucleotide (I) comprising a Novel genetic variants of selectin L lymphocyte adhesion molecule 1 (SELL) gene useful for therapeutic purposes and for expressing SELL protein useful in identifying drugs to treat whooping cough. ö Kliem SE, Koshy B, Kumar AM 42.0%; Score 8.4; DB 1; Length 10; 90.0%; Pred. No. 64; 1; Indels Seguence 10 BP; 4 A; 3 C; 2 G; 1 T; 0 U; 0 Other; 0; Mismatches Human CD39L2 initiation start site #2. oligonucleotides of the invention Claim 19; Page 15; 137pp; English AAD31708 standard; RNA; 10 BP Bieglecki KM, (first entry) Local Similarity 90.0 nes 9; Conservative 6 TGGTCACATG 15 10 TGGTCTCATG 1 Anastasio AE, 18-JUN-2002 Query Match AAD31708; Matches RESULT 70 AAD31708 ò g

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Gaps ö

DB 1; Length 10; 1; Indels

0; Mismatches

AAS95414 standard; DNA; 10 BP.

AAS95414

AAS95414;

/*tag= a /note= "Initiation codon"

99US-00240639 99US-00240639

Frischauf A;

Location/Qualifiers

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dermatological; immunosuppressive; vulnerary; nootropic; anticonvulsant;
antiinflammatory; nephrotropic; gastrointestinal; vasotropic; ss.
                                                             (HYSE-) HYSEQ INC.
                                                                   Chadwick BP,
                                                29-JAN-1999;
                                                      29-JAN-1999;
          Homo sapiens
                                  US6350447-B1
                    misc signal
                                         26-FEB-2002
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The present invention relates to novel proteins with phosphohydrolase activity, designated CD-39-like (CD39L) proteins and polynucleotides activity, designated CD-39-like (CD39L) proteins are useful to treat infectious (diseases caused by viral, bacterial, fungal or other infections and diseases caused by viral, bacterial, fungal or other infections may be treatable with CD39L. They are useful in the treatment of various can disease and disorders, autoimmune disorders such as multiple sclarosis, aystemic lupus erythematosus, rheumatoid arthritis, autoimmune thyroiditis and insulin dependent disbetes mellitus, allergic reactions and conditions such as asthms and other respiratory problems, periodontal disease, osteoporosis, osteoarthrifis and other tooth repair processes.

They may have utility in compositions used for bone, cartilage, tendon, lagament and/or nerve tissue growth or regeneration as well as for wound healing and tissue repair and replacement and in the treatment of burns, incisions and ulcers. CD39L proteins may also be useful for proliferation, the treatment of central nervous system diseases uch as Alzheimer's disease, parkinson's disease, amyotrophic lateral sclerosis, Huntington's disease, parkinson's disease, amyotrophic lateral sclerosis, Huntington's peripheral neuropathy and localised neuropathies. They are also useful to promote better or faster closure of nonchalling wounds, including pressure ulcers, ulcers associated with any are also useful to promote better or faster closure of nonchalling wounds, including pressure ulcers, ulcers associated with a stiff and for a marrial and traumatic disorders which the anisating wounds, including pressure ulcers, ulcers associated with exhibit anti-inflammatory activity and may be used to treat inflammatory conditions including chronic or acute conditions), including ischaemia-reperfusion injury, endotoxin lethality, arthritis, nephritis, cytokine or chemokine-induced lung injury, inflammatory bowel disease or Crohn's disease. The present sequence is human CD39L2 initiation start site An isolated polypeptide with phosphohydrolase activity, designated CD39L2, useful to identify other proteins with which binding occurs or identify inhibitors and for treatment of, e.g., Alzheimer's, multiple Sequence 10 BP; 5 A; 1 C; 3 G; 0 T; 1 U; 0 Other; Example; Col 56; 101pp; English. sclerosis and osteoporosis. WPI; 2002-215262/27.

Score 8.4; DB 1; Length 10; Pred. No. 64; 1; Mismatches 1; Indels 42.0%; Similarity 80.0%; 8; Conservative Query Match Best Local Similarity Matches 8; Conserv

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haplotype pair; single nucleotide polymorphism; genotyping; PCR primer; gene therapy; drug screening; anti-HIV; antiinflammatory; probe; human immunodeficiency virus; sequencing primer.
                                                                                                                    Human; intercellular adhesion molecule 2; ICAM2; haplotyping; 88;
                                                           gene allele-specific oligonucleotide PCR primer #19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lee HH, Nandabalan K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Choi JY, Denton RR, Kliem SE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENA-) GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-MAY-2001; 2001WO-US014714.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     05-MAY-2000; 2000US-0201946P.
(first entry)
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                                                                                                                                                                                                                                                                                                                                    WO200185918-A1.
                                                           Human ICAM2
                                                                                                                                                                                                                                                                                                                                                                                                15-NOV-2001.
14-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chew A,
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Novel polynucleotide containing polymorphisms in intercellular adhesion molecule 2 gene, useful in developing drugs for treating human immunodeficiency virus infection and inflammatory diseases.

Claim 18; Page 14; 81pp; English.

The invention relates to single nucleotide polymorphisms in the gene encoding human intercellular adhesion molecule 2 (ICAM2). A method for haplotyping the ICAM2 gene in an individual comprises identifying the nucleotide at one or more polymorphic sites and determining whether one of the copies of the gene is defined by one of the ICAM2 haplotypes given in the specification or whether both copies are defined by a haplotype pair. In genetyping, whereby all possible haplotype pairs can be assigned to specific genotypes. An association between a trait and a haplotype or haplotype pair of the laplotype or haplotype pair of the haplotype or haplotype pair of the haplotype or haplotype haplotype haplotype or haplotype haplotype haplotype haplotype haploty specific oligonucleotide probes, sequencing primers, PCR primers and cDNA encoding human ICAM2

Sequence 10 BP; 3 A; 3 C; 1 G; 3 T; 0 U; 0 Other;

Gaps .; 0 42.0%; Score 8.4; DB 1; Length 10; 90.0%; Pred. No. 64; Indels 1; 0; Mismatches Best Local Similarity 90.0 Matches 9; Conservative Query Match

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Gaps

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ABV84769/c ID ABV84769 standard; cDNA; 10 BP. RESULT 72

RESULT 71

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SAGE tag; serial analysis of gene expression; human; chronic hepatitis C;
                                                                                                                                                                                                                                                                                                                                Human chronic hepatitis C tissue overexpressed gene SAGE tag #40.
                                                                                                                                                                                                                                                                                                     ABV84230 standard; cDNA; 10 BP
                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                     2 CTCATGGTCA 11
                                                                                                                                                                                                                                                                              10 CTCTTGGTCA 1
                                                                                                        WPI; 2002-631294/68
                                                                                                                                                                                                                                                      Best Local Similarity
Matches 9; Conserv
                                                          JP2002209591-A.
                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                       12-DEC-2002
            12-DEC-2002
                                                                    30-JUL-2002
                                                                                                                                                                                                                                                                                                              ABV84230;
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                                                                                                                                                                                                                                                                                               RESULT 73
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The invention relates to SAGE (serial analysis of gene expression) tags
representing groups of genes which are differentially expressed in human
creating groups of genes which are differentially expressed in human
creating groups of genes which are differentially expressed in human
creating groups of genes which normal human liver tissue.

The SAGE tags of this invention consist of a sequence of 10 nucleotides
concated downstream of the 5'-CATG-3' sequence motif lying nearest to the
colya region of cDNAs derived from a variety of genes. These tags serve
to uniquely identify each transcript and can thus be used to analyse the
colya region of cDNAs derived from a variety of genes. The invention also
crelates to proteins encoded by the genes expressed in chronic hepatitis C liver tissue or HCC, antibodies against these proteins, and inhibitors of
the expression of groups of genes that are overexpressed in chronic
chepatitis C liver tissue or HCC. Groups of genes differentially expressed
in chronic hepatitis C tissue or HCC may be used for the diagnosis and
creatment of these diseases. Such genes, inhibitors of their expression
or activity, and antibodies against the gene products may be used in the
development of drugs to treat chronic hepatitis C and/or HCC. Sequences
ABV84191-ABV8420 are SAGE tags representing the 100 most highly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human chronic hepatitis C tissue expression exasperating gene group comprises 100 high-ranking genes.
CH; liver tissue; hepatocellular carcinoma; cancer; tumour; HCC; expression pattern; differential expression; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          expressed genes out of those genes which are overexpressed
hepatitis C liver tissue compared with normal liver tissue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; Page 10; 139pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                       19-JAN-2001; 2001JP-00012328.
                                                                                                                                                                                                                                                                                                                                                                                                                                    19-JAN-2001; 2001JP-00012328.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-631294/68.
                                                                                                                                                                                                 JP2002209591-A.
                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                          30-JUL-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           representing groups of genes which are differentially expressed in human chronic hepatitis C (CH) liver tissue or hepatitis C-induced chronic hepatitis C (CH) liver tissue or hepatitis C-induced chronic hepatitis C (CH) liver tissue or hepatitis C-induced in human located downstream of the 5'-CATG-3' sequence motif lying nearest to the colyA region of CDNNA derived from a variety of genes. These tags serve to uniquely identify each transcript and can thus be used to analyse the pattern of gene expression in particular cell types. The invention also the expression of groups of genes expressed in chronic hepatitis C liver tissue or HCC, antibodies against these proteins, and inhibitors of the expression of groups of genes that are overexpressed in chronic hepatitis C liver tissue or HCC groups of genes differentially expressed in chronic hepatitis C tissue or HCC may be used for the diagnosis and treatment of these diseases. Such genes, inhibitors of their expression or activity, and antibodies against the gene products may be used in the development of drugs to treat chronic hepatitis C and/or HCC. Sequences ANDW4691-ABN84790 are SAGE tags representing the 100 least highly hear the control of those genes which are underexpressed in the control of those sour of those genes which here is the control of those spressenting the loo least highly the control of those spressenting the loo least highly the control of those spressenting the loo least highly the control of those spressenting the loo least highly the control of the contro
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                                                                                                                                                                                                                                                                  SAGE tag; serial analysis of gene expression; human; chronic hepatitis C; CH; liver tissue; hepatocellular carcinoma; cancer; tumour; HCC; expression pattern; differential expression; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hepatocellular carcinoma compared with chronic hepatitis C liver tissue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to SAGE (serial analysis of gene expression) tags
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                 Chronic hepatitis C/HCC differentially expressed gene SAGE tag #579.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human chronic hepatitis C tissue expression exasperating gene group comprises 100 high-ranking genes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 46; Page 26; 139pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-JAN-2001; 2001JP-00012328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19-JAN-2001; 2001JP-00012328.
                                                                                                                     (first entry)
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                                                            Gaps
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                                                                                                                                                                                                                                                                                      Human NPR1 gene allele-specific oligonucleotide PCR primer #26.
                          42.0%; Score 8.4; DB 1; Length 10; 90.0%; Pred. No. 64;
                                                           1; Indels
Sequence 10 BP; 4 A; 2 C; 3 G; 1 T; 0 U; 0 Other;
                                                           0; Mismatches
                                                                                                                                                                                                   ABK09446 standard; DNA; 10 BP.
                                                                                                                                                                                                                                                             (first entry)
                                                            Conservative
                                                                                          2 CTCATGGTCA 11
                                                                                                                     10 crcrrccrca 1
                                           Local Similarity
nes 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                              WO200179231-A2.
                                                                                                                                                                                                                                                             14-MAR-2002
                                                                                                                                                                                                                               ABK09446;
                               Query Match
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overexpressed in chronic

Nandabalan K;

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derionation nativities and the second of the
                                                                                                                                                                                                                                                                                                              Genotyping human natriuretic peptide receptor A/guanylate cyclase gene of
an individual, involves determining identity of nucleotide pair at
specific polymorphic sites for two copies of the gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human, apolipoprotein C1, APOC1, single nucleotide polymorphism,
haplotyping, haplotype pair, hypercholesterolaemia, nootropic, SDAT, 88,
sentle dementia of Alzheimer's type, neuroprotective, antilipaemic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to single nucleotide polymorphisms in the gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          42.0%; Score 8.4; DB 1; Length 10; 90.0%; Pred. No. 64; cive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 10 BP; 4 A; 3 C; 2 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                           Kliem SE,
                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 17; Page 15; 96pp; English
                                                                                                                                                       (GENA-) GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAS16822 standard; DNA; 10 BP
                                                                                                  14-APR-2000; 2000US-0197330P.
                                              16-APR-2001; 2001WO-US012300.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 90.0%;
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                                                                                                                                                                                                        Choi JY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CAAGGTCACA 10
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                                                                                                                                                                                                                                                            WPI; 2002-066340/09
                                                                                                                                                                                                           Sentivegna SC,
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25-OCT-2001
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The invention relates to single nucleotide polymorphisms in the human apolipoprotein C1 (APOC1) gene. Haplotyping the APOC1 gene of an individual, comprises determining if the individual has one of the APOC1 haplotype pairs fully defined in the specification.

Genotyping the APOC1 gene of an individual, comprises determining the clentity of the nucleotide pair at one or more polymorphic sites and predicting a haplotype pair for the APOC1 gene of an individual by connecrating all possible haplotype pairs which are consistent with the genotype, comparing the possible haplotype pairs which are consistent with the data. Identifying an association between a trait and a haplotype or haplotype pair is consistent with that of a reference population, where the individual that the trait with that of a reference population, where the haplotype pair is one described in the specification and a haplotype pair is one described in the specification and a haplotype pair is one described in the specification and a haplotype pair is one described in the specification and a haplotype pair is one described in the specification and a haplotype pair so haplotype. The sequences and methods of the invention are used to diagnose and develop treatment for disease associated with APOC1 activity, such as hypercholesteroleemia and semile dementia of the APOC1 activity, and a hypercholesteroleemia and semile dementia of the APOC1 activity happen the sequence represents a PCR primer used for
                                                                                                                                                                                                      New haplotypes of the human apolipoprotein Cl gene, useful to detect and find treatment for disease associated with its activity such as hypercholestrolemia and Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             human; cholesteryl ester transfer protein; CETP;
single nucleotide polymorphism; SNP; drug screening; atherosclerosis;
cardiovascular disease; hypercholesterolaemia;
allele specific oligonucleotide; ss; extension PCR; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          / match 42.0%; Score 8.4; DB 1; Length 10; Local Similarity 90.0%; Pred. No. 64; tes 9; Conservative 0; Mismatches 1. *-3.
                                                                                                                         Stephens JC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human CETP gene allele specific extension PCR primer #25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 10 BP; 2 A; 3 C; 4 G; 1 T; 0 U; 0 Other;
                                                                                                                         Koshy B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             detecting human APOC1 DNA polymorphisms
                                                                                                                       Choi JY,
                                                                                                                                                                                                                                                                                           Claim 18; Page 13; 51pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADG98564 standard; DNA; 10 BP.
                                                                                (GENA-) GENAISSANCE PHARM INC
10-APR-2001; 2001WO-US011808.
                                       11-APR-2000; 2000US-0196545P.
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                                                                                                                         Chew A,
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                                                                                                                                                                 WPI; 2002-041286/05.
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Gaps

Parks KE;

Lee HH,

Lachowicz M, , Tirrell C;

Kazemi A, L Sausker EA,

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The invention comprises the amino acid and coding sequences of the human cholesteryl ester transfer protein (CETP), the invention also comprises boylmorphisms identified within the CETP gene. The DNA and protein sequences of the invention are useful in haplotyping and/or genotyping the CETP gene in an individual. The DNA and protein sequences may also be used to screen drugs or compounds targeting the CETP or its variant to treat a condition or disease associated with CETP (e.g. atherosclerosis, cardiovascular disease or hypercholesterolaemia). The present DNA sequence represents an allele specific extension PCR primer for the human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New CD-39-like polypeptides and polynucleotides, useful in chromosome and gene mapping, as molecular weight markers, as food supplements, or as anti-thrombotic or anti-tissue graft rejection agents.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CD39-like protein; gene mapping; molecular weight marker;
food supplement; anti-thrombotic; anti-tissue graft rejection agent;
ATP neurotransmission; ecto-ATPase activity; nucleotide triphosphatase;
                                                                                                                             New isolated polynucleotide useful for haplotyping and/or genotyping cholesteryl ester transfer protein (CETP) gene in an individual or in screening for drugs useful in treating diseases associated with CETP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human CD39L2 gene consensus translation initiation site #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Seguence 10 BP; 3 A; 3 C; 2 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                              Claim 45; SEQ ID NO 196; 250pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADQ99469 standard; RNA; 10 BP.
               (GENA-) GENAISSANCE PHARM INC.
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Best Local Similarity 90...
Best Son 9; Conservative
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| TCATGGACAC 10
                                              , Chew A,
Rounds E,
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                                                                                            WPI; 2003-865576/80
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                                                Anastasio AE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-JAN-1999;
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                                                               Petersen N,
                                                                                                                                                                                                                                                                                                                                                                                                    CETP gene.
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        The invention relates to novel CD39-like polypeptides (CD39-like nucleotide triphosphatase; NTPase) and nucleic acid molecules encoding such polypeptides. CD39-like polymucleotides may be used as hybridisation probes, PCR primers and in chromosome and gene mapping. Polypeptides of the invention may be used as molecular weight markers, as food supplements, in generating an antibody that specifically binds the polypeptide, as anti-thrombotic or anti-tissue graft rejection agents, or for regularing APP neurotransmission in smooth muscle, peripheral ganglia or brain. Sequences of the invention are useful in modulating ecto-ATPase activity and for identifying compounds that modulate ecto-ATPase activity. The present sequence is human CD39-like gene consensus translation initiation site. This sequence is used in the exemplification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New isolated CD39LA polypeptide and polynucleotide, useful for preventing, treating, or ameliorating multiple sclerosis, systemic lupus erythematosus, rheumatoid arthritis, myasthenia gravis, or graft-versus-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to CD39-like polypeptide and its encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           consective tissue disease, multiple sclerosis; connective tissue disease, multiple sclerosis; systemic luque erythematosus; rheumatoid arthritis; autoimmune pulmonary inflammation; Guillain-Barre syndrome; autoimmune thyroiditis; insulin dependent diabetes mellitus; myasthenia gravis; graft-versus-host disease; allergic disorder; asthma; respiratory disorder; myeloid or lymphoid cell deficiency; periodontal disease; tooth repair process; inflammatory bowel disease; cohn repair process; inflammatory bowel disease; cohn repair process; inflammatory bowel disease; cohn sieses; leukaemia; nervous system disorder; anticoagulant; food supplement; anti-tissue graft rejection; ATP neurotransmission;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human CD39L2 gene consensus translation initiation site #2.
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                                                                                                                                                                                                                                                                                           G; 0 T; 1 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADR69198 standard; RNA; 10 BP
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                                                                                                                                                                                                                                                                                             Sequence 10 BP; 5 A; 1 C; 3
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                                                                                                                                                                                                                                                                                                                                                                             8; Conservative
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                                                                                                                                                                                                                                                        of the invention
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42.0%; Score 8.4; DB 1; Length 10; 90.0%; Pred. No. 64; ive 0; Mismatches 1; Indels

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Example; SEQ ID NO 29; 104pp; English

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polynucleotide. The invention is useful for preventing, treating or amellorating autoimmune deficiency disorders including connective tissue disease, multiple sciencists, systemic lupus erythematosus, rheumatoid arthritis, autoimmune pulmonary inflammation, Guillain-Barre syndrome, autoimmune thyroiditis, insulin dependent diabetes mellitus, myasthenia gravis, graft-versus host disease or autoimmune inflammatory eye disease, allergic disorders including asthma and other respiratory problems, myeloid or lymphoid cell deficiencies, periodontal diseases and other tooth repair processes, inflammatory conditions including inflammatory bowel disease and crohn's disease, leuksemias and nervous system disorders. The invention is also useful as an anti-coagulant for inhibiting platelet aggregation, food supplement, anti-tissue graft rejection agents, for regulating neurotransmission by ATP in smooth muscle, peripheral ganglia or brain and in gene therapy. The present sequence is a human CD39L2 gene consensus translation initiation site. This sequence is used in the exemplification of the invention.
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Sequence 10 BP; 5 A; 1 C; 3 G; 0 T; 1 U; 0 Other;

Gaps ö DB 1; Length 10; 1; Indels 42.0%; Score 8.4; DI 80.0%; Pred. No. 64; 1; Mismatches Local Similarity 80.0 es 8; Conservative Query Match tches \$

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RESULT 79 ADR69032

ADR69032 standard; RNA; 10 BP. ADR69032; X8X1X8X838X6X8X8X8X6X646464

(first entry) 04-NOV-2004 Human CD3912 gene consensus translation initiation site #2.

nutritional supplement; ecto-ATPase activity; cytostatic; immunotherapy; human; 88.

US6780977-B1

24-AUG-2004

27-MAR-2002; 2002US-00107660

29-JAN-1999; 99US-00240639 13-JUL-2001; 2001US-00905589 29-JAN-1999,

(NUVE-) NUVELO INC.

Frischauf A; Chadwick BP,

WPI; 2004-613273/59.

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The present invention provides novel CD39-like polypeptides (CD39-like nucleotide triphosphatase; NTPase) and their encoding polynucleotides. Connucleotide triphosphatase; NTPase) and their encoding polynucleotides. The invention is useful in treating cancer, leukaemia and related disorders such as acute lymphocytic leukaemia, acute myelocytic leukaemia and chronic leukaemia, autoimmune disorders such as multiple sclerosis, rheumatoid arthritis, quillainn Barre syndrome, insulin dependent diabetes continuated arthritis, quillainn Barre syndrome, insulin dependent diabetes and litus, myasthenia gravis and graft-versus-host disease, allergic disorders such as septic shock, speremic inflammatory response syndrome (SIRS) and Crohn's disease, central and peripheral nervous system disorders such as ischaemia, Parkinson's disease, Alzheimer's disease, Huntington's chorea, systemic lupus erythematosus, human immunodeficiency virus-associated myelopathy and transverse myelopathy and nutritional disorders such as alcohol amblyopia and Marchiafava-Bignami disease. The invention also has chaemostatic and thrombolytic activity, serve as nutritional supplements and modulates ecto-ATPase activity. The invention acts as a cytostatic agent and is useful in immunotherapy. The present sequence is human consensus translation hitiation site. This sequence is used in the exemplification of the invention.
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New antibody or its fragment that specifically binds to CD39L3 polypeptide, useful for detecting and purifying CD39L3 polypeptide, for treating leukemia, and for detecting and preventing metastatic spread of cancerous cells.
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                                                                                                                                          Example; Col 57; 102pp; English.
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Best Local Similarity
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Cy3-labelled probe used to detect human NAT-2 wild-type DNA -SEQ ID 136. SNP detection; drug therapy; probe; ss; human; NAT2; wild-type N-acetyltransferase 2 isoenzyme. BP. ADR87958 standard; DNA; 10 (first entry) WO2004069189-A2. Homo sapiens 04-NOV-2004 19-AUG-2004. ADR87958; RESULT 80 ADR87958/

04-FEB-2004; 2004WO-US002941. 04-FEB-2003; 2003US-0444656P. (INNO-) INNOVACEUTICALS INC. Branch RA, Romkes M;

Measuring the expression or activity of a CYP enzyme in a subject by measuring the expression of the CYP enzyme gene or mRNA expression for the CYP enzyme in whole blood and normalizing the measured CYP enzyme gene or mRNA expression.

WPI; 2004-604340/58.

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The invention relates to a novel method for measuring the expression or activity of a CYP (cytochrome P450), NAT1 (N-acetyltransferase 1) or NAT2 (N-acetyltransferase 2) enzyme in a subject comprising measuring the expression of the enzyme gene or mRNA in whole blood and normalising the measured enzyme gene or mRNA in whole blood and normalising the measured enzyme gene or mRNA expression, respectively. The method may be useful in measuring the expression or activity of an enzyme in a subject and for detecting and quantifying the presence of SNPs (single nucleotide polymorphisms) within an enzyme. Thus, the method of the invention may be utilised in order to predict the effectiveness or safety of a drug therapy, since the drug metabolising capability of an individual is affected by the isoenzymes present within that individual. The current sequence is that of a Cy3-labelled probe which was used to detect human NAT-2 wild-type DNA of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CD39-like protein; gene mapping; food supplement; ecto-ATPase activity; gene therapy; multiple sclerosis; rheumatoid arthritis; autoimmune thyroiditis; diabetes mellitus; myasthenia gravis; autoimmune inflammatory eye disease; osteoporosis; osteoarthritis; Alzheimer's disease; Parkinson's disease; amyotrophic lateral sclerosis; leukaemia; nervous system disorder; neuroprotective; antiarthritic; antirhyroid; immunosuppressive; antidiabetic; muscular-gen; ophthalmological; osteopathic; nootropic; antiparkinsonian;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New isolated CD39L4 polynucleotide, useful for preventing, treating, or ameliorating multiple sclerosis, rheumatoid arthritis, diabetes, osteoporosis, Alzheimer's disease, amyotrophic lateral sclerosis, or leukemia.
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                                                                                                                                                                                                                                                                                                                         Sequence 10 BP; 3 A; 2 C; 3 G; 2 T; 0 U; 0 Other;
Disclosure; SEQ ID NO 136; 73pp; English.
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nes 9; Conservative
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Matches
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The present invention relates to a CD39-like polypeptides and the encoding polynucleotides. The CD39L4 polynucleotide is useful as hybridisation probes, as primers for PCR, for chromosome or gene mapping,

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in the recombinant production of protein, and in generation of antisense DNA or RNA. The protein of the invention is used as molecular weight markers, and as food supplements and for modulating ecto-ATPase activity and for identifying compounds that can be utilised for modulating ecto-ATPase activity. The invention is useful for preventing, treating or ATPase activity. The invention is useful for preventing, treating or amedical condition, e.g. multiple sclerosis, rheumatoid arthritis, autoimmune thyroiditis, diabetes mellitus, myasthenia gravis, autoimmune inflammatory eve disease, osteoporosis, osteoarthritis, autoimmune inflammatory even disease, amyotrophic lateral sclerosis, leukaemia or nervous system disorders and in gene therapy. The present sequence is the human CD3912 gene consensus translation initiation site. This sequence is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New isolated CD39L3 polypeptide and polynucleotide, useful for diagnosing, preventing or treating HIV, hepatitis, multiple sclerosis, systemic lupus erythematosus, arthritis, diabetes and asthma.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CD39-like protein, CD39-like nucleotide-triphosphatase; NTPase; HIV infection; hepatitis; multiple sclerosis; systemic lupus errythematosus; rheumatoid arthritis; Guillain-Barre syndrome; thyroiditis; diabetes; myasthenia gravis; graft-versus-host disease; GHVD; asthma; human; ss.
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                                                                                                                                                                                                                                                                                       Sequence 10 BP; 5 A; 1 C; 3 G; 0 T; 1 U; 0 Other;
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13-JUL-2001; 2001US-00908510.
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1 ACAAGGAUGA 10
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RESULT 83 ADV16922

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This invention relates to a novel isolated antibody or antigen-binding fragment that specifically binds to a human CD39L2 polypeptide comprising a fully defined 45c amino acid sequence (SEQ ID No:2) as given in the specification. In particular, it refers to the cloning and characterization of CD39-like nucleotide triphosphatases (NTPasses) and a hybridoma that produces the monoclonal antibody that can bind to the CD39L2 protein or an immunologically reactive fragment thereof. The present invention describes other CD39-like genes that can be used in various molecular biology techniques including gene mapping and in situ typridization for DNA defection. In addition, the encoded CD39-like as well as those with ADPase activity are useful as anticoagulants, for inhibiting platelet aggregation, anti-tissue graft rejection agents and con as part of methods for regulating neurotransmission by ATP in smooth muscle etc. This oligonucleotide is a human CD39L4 RNA initiation site that shares a poor consensus with the vertebrate consensus site of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel antibody or antigen binding fragment that specifically binds to CD39L2 polypeptide, useful for detecting CD39L2 polypeptide.
                                                                                                                                                                                            antibody production; CD39L4; gene mapping; DNA detection; food;
                                                                                                                                                   Human CD39L4 RNA intiation site Seg 29.
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                    BP.
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                                                                                                                                                                                                                                                                                                                                                                                            13-JUL-2001; 2001US-00905589.
                                                                                                                                                                                                                     anticoagulant; aggregant; ss
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                    ADZ66991 standard; RNA; 10
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Matches 8; Conserv
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                                                               ADZ66991;
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ADZ74460
ADZ66991
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to an antibody or its antigen binding fragment which specifically binds to a CD39L4 polypeptide. The invention is useful for treating some forms of cancer, where abnormal expression of the CD39L4 is involved and for detecting and preventing metastatic spread of a cancerous cells. The invention is also useful for immuno-affinity outfification of the proteins and to identify cells or tissues in which a fragment of the CD39L4 polypeptide is expressed. The present sequence is the human CD39L2 consensus translational intiation site.
                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Isolated antibody or its antigen binding fragment which specifically binds to a CD3914 polypeptide, useful for detecting and preventing metastatic spread of cancerous cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
initiation site. This sequence is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             genetic engineering; immune disorder; immune deficiency
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  microbial infection; virucide; antibacterial; fungicide; autoimmune disorder; immunosuppressive; respiratory disorder; repiratory gen; antiasthmatic; cancer; cytostatic; immunotherapy;
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Pred. No. 64;
1; Mismatches 1; Indels
                                                                                                          DB 1; Length 10;
                                                                                                                                                   1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human CD39L2 consensus translational intiation site #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 10 BP; 5 A; 1 C; 3 G; 0 T; 1 U; 0 Other;
                                                               Sequence 10 BP; 5 A; 1 C; 3 G; 0 T; 1 U; 0 Other;
                                                                                                     Score 8.4; DB Pred. No. 64; 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example; SEQ ID NO 29; 104pp; English.
                                                                                                                                                                                                                                                                                                                                                 ADV16922 standard; RNA; 10 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CD39-like protein, 88; CD39L2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      h 42.0%;
Similarity 80.0%;
8; Conservative 1
                                                                                                          42.0%;
80.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Frischauf A;
                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                     8; Conservative
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                                                                                                                                                                                              11 ACATGGATGA 20
                                                                                                                                                                                                                                       1 ACAAGGAUGA 10
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Best Local Similarity
Matches 8; Conserv
                                                                                                        Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US6828423-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Diagnostic;
                        invention.
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                        42.0%; Score 8.4; DB 1; Length 10; 80.0%; Pred. No. 64;
                                                   Indels
                                                   1,
Sequence 10 BP; 5 A; 1 C; 3 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                              Human CD39L2 initiation start site, seq id 29
                                                   1; Mismatches
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RESULT 84

8

Human; skin ageing; skin stress; EST; expressed sequence tag; ss.

Homo sapiens

Hofmann K;

Petersohn D, Conradt M,

WPI; 2002-528865/56

(HENK) HENKEL KGAA

20-DEC-2001; 2001WO-EP015178.

11-JUL-2002.

03-JAN-2001; 2001DE-01000121

Human skin stress/ageing related EST SEQ ID NO 543

10-SEP-2002 (first entry)

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The invention relates to a new isolated CD39L3 polypeptide, having phosphohydrolase activity, and comprising a 529-amino acid sequence, thilly defined in the specification AD274435. The polypeptide is useful in preparing a composition for treating disorders or diseases, e.g., bacterial, viral or fungal infection, cancer, osteoporosis or autoimmune disorders, or can be used to stimulate immune function. They may also be useful for wound healing and tissue repair. They may be used in the treatment of burns, incisions and ulcers. They may be used in the treatment of burns, incisions and ulcers. They may be used in the treatment of burns, incisions and ulcers. They may be used in the treatment of siseases of the peripheral nervous system diseases, such as Alzheimer's, parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, and Shy Drager syndrome. They are also useful in the treatment of spinal cord disorders and stroke. The protein may be useful as a fertility inducing therapeutic. The polypeptide may also exhibit hemostatic or thrombolyric activity, and antilifiammatory activity. The purified polypeptides can be used in in vitro binding assays to identify molecules which bind to the polypeptides. The polypeptides can be used in a panel or funlity proteins for high-throughput screening, to raise antibodies or to elicit another immune response, as a reagent (including the labeled reagent) in assays designed to quantitatively determine levels of the which the corresponding protein is preferentially expressed, and to which the corresponding protein is preferentially expressed, and to untritional sources or supplements. The current sequence represents a nutritional sources or supplements. The current sequence represents and protein the corresponding protein is preferentially expressed, and to nutritional sources or supplements. The current sequence represents and protein the corresponders or lagands.
                 neuroprofective; nociropic; antiparkinsonian; anticonvulsant; CNS-Gen.; hypertensive; cerebroprotective; vasotropic; antiinfertility; hemostatic; thrombolytic; antiinflammatory; infection; cancer; degeneration; endocrine disease; musculoskeletal disease; immune disorder; injury; neurological disease; cardiovascular disease; ds.
.mmunosuppressive; immunostimulant; vulnerary; antiulcer; dermatological;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New CD39L3 polypeptide having phosphohydrolase activity, useful in preparing a composition for treating e.g., bacterial, viral or fungal infection, cancer, osteoporosis or autoimmune disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example; SEQ ID NO 29; 103pp; English
                                                                                                                                                                                                                                                                                                                                                 27-MAR-2002; 2002US-00108171.
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13-JUL-2001; 2001US-00905743.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chadwick BP, Frischauf A;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NUVE-) NUVELO INC.
                                                                                                                                                                                        Homo sapiens
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The invention relates to identifying (M1) genes in vitro that, in humans or animals, are important for skin ageing and/or skin stress by serial analysis of gene expression between mixtures of transcribed and optionally translated, genetically encoded factors (A) obtained from young and aged skin, to identify that genes that show strong differential useful for: identifying markers of skin ageing and/or stress; and identifying or determining the effects of skin ageing and/or stress; and identifying or determining the effects of spharmaceutical or cosmetic agents for control of skin ageing. The present sequence is one of a group of human skin ageing/stress related expressed sequence tags (ABQ86246-ABQ87680) of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human, skin, dermatological, vulnerary, antipsoriatic, antiseborrhaeic, immunosuppressive, antiinflammatory; cytostatic, SAGE, neurodermatitis, psoriasis, dermatitis, skin cancer, EST; expressed sequence tag, ss.
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                                                                                                                                                                                                                                                                                                                                             Identifying genes involved in skin stress and aging, useful e.g. in screening for cosmetic or therapeutic agents, based on differential
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 11 BP; 1 A; 3 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                          Claim 8; Page 59; 325pp; German.
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Matches 9; Conservative
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1; Indels

Pred. No. 64; 1; Mismatches

80.08;

Local Similarity 80.0 les 8; Conservative

Matches

ABQ86788 standard; cDNA; 11 BP

RESULT 86 ABQ86788

ABQ86788;

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US10719370A-446.rng.sl

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The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression (SAGE) so as to identify skin-expressed genes and quantify their expression. (M1) is useful for identifying genes involved in skin homeostasis, to promotes skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis and to take used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; inchipyesis, atopic dermatitis, acne, seborrhea; lupus erythematosus; rosaces, melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag
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immunosuppressive, antiinflammatory, cytostatic, SAGE, neurodermatitis,
psoriasis, dermatitis, skin cancer, EST, expressed sequence tag, ss.
                                                                                                                                                   In vitro identification of skin-expressed genes, useful for determining
                                                                                                                                                                    homeostasis and identifying cosmetic or pharmaceutical agents against
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              42.0%; Score 8.4; DB 1; Length 11; 90.0%; Pred. No. 72; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 11 BP; 1 A; 3 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                 Hofmann K;
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                                                                                                                                                                                                                      Disclosure, Page 57; 1345pp; German.
              03-JAN-2001; 2001DE-01000127
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                                                                                 Conradt M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9; Conservative
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                                              (HENK ) HENKEL KGAA.
                                                                                                                   WPI; 2002-590638/63.
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Matches 9; Conserv
                                                                                                                                                                                    e.g. skin cancer.
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                                                                                 Petersohn D,
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                            The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression (SAGE) so as to identify skin-expressed genes and quantify their expression.

(M1) is useful for identifying genes involved in skin homeostasis; to determine skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis, scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus; rosaces; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag (EST) of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; skin; dermatological; vulnerary; antipsoriatic; antiseborrhaeic; immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis; psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          In vitro identification of skin-expressed genes, useful for determining homeostasis and identifying cosmetic or pharmaceutical agents against
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                                                                                                                                                                                                                                                                                                                                    42.0%; Score 8.4; DB 90.0%; Pred. No. 72; iive 0; Mismatches
Disclosure; Page 121; 1345pp; German.
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                                                                                                                                                                                                                                                                                                                                                    Local Similarity 90.0
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The present sequence is that of a DNA helper probe, designated hj-DNA 11'mer as 5' end. This helper probe was used in an example from the invention in which linked nucleic acid (LNA) helper probes were used to improve the capture of single-stranded DNA targets by immobilised anthraquinone-coupled LNA capture probes. This is an example of a method for enhancing hybridisation of a capture oligonucleotide to a target. The method exhibits significantly improved binding abilities, and is particularly suited for detection of single nucleotide polymorphism sites, for genotyping and diagnosis of genetic disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Detecting a nucleotide target sequence for detecting genetic disease, by
                                                                                                                                                                                           Nucleic acid detection; SNP; single nucleotide polymorphism; genotyping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             42.0%; Score 8.4; DB 1; Length 11; 90.0%; Pred. No. 72;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Locked nucleic acid; LNA; nucleic acid detection; SNP;
single nucleotide polymorphism; genotyping; probe; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 11 BP; 4 A; 2 C; 4 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                      DNA helper probe hj-DNA 11'mer as 5' end.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Skouv J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Page 11; 24pp; English.
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                                     ACC58070 standard; DNA; 11 BP.
                                                                                                                                                                                                                                                                                                                                                                               18-FEB-2002; 2002EP-00388014.
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                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     using a helper probe.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (EXIQ-) EXIQON AS.
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modified_base
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                                                                                                                                                                                                                                                                                                                                         23-OCT-2002
                                                                                                                11-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Jacobsen N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                      probe; ss.
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RESULT 91
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression ($AGE) so as to identify skin-expressed genes and quantify their expression. (M1) is useful for identifying genes and quantify their expression of determine skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; ichthyosis, atopic dermatitis, acne, seborrhea; lupus erythematosus; rosaces; melanoma; basal call carcinoma; a lupus erythematosus; rosaces; melanoma; basal call carcinoma; a human expressed sequence tag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    In vitro identification of skin-expressed genes, useful for determining homeostasis and identifying cosmetic or pharmaceutical agents against e.g. skin cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; skin; dermatological; vulnerary; antipsoriatic; antiseborrhaeic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cytostatic; SAGE; neurodermatitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                  Gaps
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                                                                             DB 1; Length 11;
                                                                                                                    1; Indels
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                                       Sequence 11 BP; 2 A; 3 C; 3 G; 3 T; 0 U; 0 Other;
                                                                             Score 8.4; DB Pred. No. 72; 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     lmmunosuppressive; antiinflammatory;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 24; Page 275; 1345pp; German.
                                                                                                                                                                                                                                                                                                 ABV70821 standard; cDNA; 11 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            03-JAN-2001; 2001DE-01000127.
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Best Local Similarity 90.0%;
Matches 9; Conservative
                                                                           Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative
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                                                                                                                                                            9 TCACATGGAT 18
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(EST) of the invention
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  (EST) of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
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Gaps ;

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                                                                                                                                                                                                                                                                                                                                                                        Detecting a nucleotide target sequence for detecting genetic disease, by using a helper probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sites, for genotyping and diagnosis of genetic disease
                            notes "OTHERs linked nucleic acids"
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                                                                                                             /*tag= c
/mod_base= m5c
/note= "5-methylcytidine"
                                                                     /mod_base= m5c
/note= "5-methylcytidine
                                                                                                                                                                                                                                                                                                                Skouv J;
                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 10; 24pp; English.
 /*tag= a
/mod_base= OTHER
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Best Local Similarity 90.0
Matches 9; Conservative
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                                       modified_base
                                                                                                 modified base
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homeostasis;
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This invention describes a novel in vitro method for identifying genes that are significant for facial skin in humans. The method comprises the ecovering, from facial skin, a first mixture of genetically expressed (transcribed and optionally translated) factors (i.e. proteins, mRNA or their fragments), recovering a second, similar mixture from some other human tissue, preferably skin from a protected area, especially from the breast and subjecting the mixtures to serial analysis of gene expression to breast and subjecting the mixtures for which expression is markedly different between facial skin and the other tissue. The invention also describes and in vitro method for determining homeostasis of human facial skin; a test kit which comprises a solid support (flexible or rigid) on which are in vitro method for determining homeostasis of human facial skin; a test can biochip for determining homeostasis of human facial skin. The products of the invention are also used in a method which determines activity of cosmetic and pharmaceutical agents for use against disorders or dentification of as many as possible of the genes important for facial skin and thus of a very wide range of potential therapeutic and cosmetic agents. ADQ31911-ADQ35111 represent human DNA Tag fragments used to identify the facial skin-associated genes described in the invention.
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                                                                                                                                                                                          In vitro identification of genes important for facial skin, useful for assessing homeostasis and in screening for pharmaceutical or cosmetic agents, based on differential expression analysis.
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                                                                                              Gassenmeier T, Holtkoetter O;
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                                                                                                                                                                                                                                                                          Claim 5; SEQ ID NO 910; 577pp; German.
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                  20-DEC-2002; 2002DE-01060928,
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                                                                                              , Schlotmann K,
Hofmann K;
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Matches 9; Conservative
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                                                       (HENK ) HENKEL KGAA
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                                                                                              Petersohn D,
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                                                                                                                  Conradt M,
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(HENK) HENKEL KGAA

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This invention describes a novel in vitro method for identifying genes that are significant for facial skin in humans. The method comprises recovering, from facial skin, a first mixture of genetically expressed (transcribed and optionally translated) factors (i.e. proteins, mRNA or their fragments), recovering a second, similar mixture from some other human tissue, preferably skin from a protected area, especially from the breast and subjecting the mixtures to scrial analysis of gene expression (SAGE) to identify those genes for which expression is markedly different between facial skin and the other tissue. The invention also describes an in vitro method for determining homeostasis of human facial skin, a test kit which comprises a solid support (flexible or rigid) on which are immobilised probes that bind specifically to the factors of interest and a binding decompless of the invention are also used in a method which determines activity of cosmetic and pharmaceutical agents for use against disorders or disturbances of the homeostasis of human skin and a screening method for identifying cosmetic and pharmaceutical agents. The method allows identification of as many as possible of the genes important for facial comments of the invente or the engage of the genes important for facial comments.
                                                                                                     In vitro identification of genes important for facial skin, useful for assessing homeostasis and in screening for pharmaceutical or cosmetic agents, based on differential expression analysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       agents. ADQ31911-ADQ35111 represent human DNA Tag fragments used to identify the facial skin-associated genes described in the invention.
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             Gassenmeier T, Holtkoetter O;
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                                                                                                                                                                                    Claim 5; SEQ ID NO 734; 577pp; German
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                 Schlotmann K,
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Best Local Similarity 90.0°
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               Petersohn D, Schlotma
Conradt M, Hofmann K;
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This invention describes a novel in vitro method for identifying genes that are significant for facial skin in humans. The method comprises recovering, from facial skin, a first mixture of genetically expressed (transcribed and optionally translated) factors (i.e. proteins, mRNA or their fragments), recovering a second, similar mixture from some other human tissue, preferably skin from a protected area, especially from the breast and subjecting the mixtures to serial analysis of gene expression (SAGE) to identify those genes for which expression is markedly different between facial skin and the other tissue. The invention also describes and in vitro method for determining homeostasis of human facial skin; a test kit which comprises a solid support (flexible or rigid) on which are timmobilised probes that bind support (flexible or rigid) on which are a biochip for determining homeostasis of human facial skin. The products of the invention are also used in a method which determines activity of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                   cosmetic and pharmaceutical agents for use against disorders or disturbances of the homeostasis of human skin and a screening method for identifying cosmetic and pharmaceutical agents. The method allows identification of as many as possible of the genes important for facial skin and thus of a very wide range of potential therapeutic and cosmetic agents. ADQ31911-ADQ35111 represent human DNA Tag fragments used to identify the facial skin-associated genes described in the invention.
                                    In vitro identification of genes important for facial skin, useful for assessing homeostasis and in screening for pharmaceutical or cosmetic agents, based on differential expression analysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ss; haplotype mapping; SNP detection; tumor; cytostatic; neoplasm; immune disorder; cardiovascular disease; metabolic disorder; respiratory disease; musculoskeletal disease; renal disease; nephrotropic; endocrine disease; genitourinary disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          42.0%; Score 8.4; DB 1; Length 11; 90.0%; Pred. No. 72; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 11 BP; 2 A; 4 C; 1 G; 4 T; 0 U; 0 Other;
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                                                                                                                        Claim 5; SEQ ID NO 759; 577pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADZ23298 standard; DNA; 11 BP
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28-MAY-2004; 2004JP-00158717.
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(STAG-) STAGEN CO LTD.
(SEKI/) SEKINE A.
(IIDA/) IIDA A.
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WPI; 2004-518855/50.
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(SAIT/)
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The invention relates to a method of analyzing haplotype, by detecting gene polymorphism in drug-related genes such as aryl acetylamide deacetylase, arylalkylamine N-acetyl transferace or ATP-binding cassette, deacetylase, arylalkylamine N-acetyl transferace or ATP-binding cassette, and feamily A (ABCI), member 1. The method is useful for analyzing cassette, haplotype. The method is useful for estimating the sensitivity or disease of preventing or treating disease, for determining appropriate dosage of medicine for preventing or treating a disease, for analyzing a drug interaction, and for determining the related polymorphism relative to the medicine for preventing or treating a disease, for analyzing a drug interaction, and for determining the related polymorphism relative to the diseases. In medicine, foreign material or disease, metabolic disease, kidney disease, respiratory disease and muscle associated disease. The method enables analysis of the individual differences calated to the sensitivity of a medicine, using a haplotype, without using each single nucleotide polymorphism. The present sequence represents a human SNP detection related oligonucelotide.
                                                                Analyzing haplotype, by detecting polymorphism in drug-related genes, electing common polymorphism (CP), building haplotype block using CP, specifying CP within block, specifying tag polymorphism from CP within
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               42.0%; Score 8.4; DB 1; Length 11; 90.0%; Pred. No. 72;
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Epstein-Barr virus; cytomegalovirus; CMV; HIV; AIDS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Indels
Iida A, Saito S, Nakamura Y, Kamatani N;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 11 BP; 4 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Herpesvirus inhibiting antisense oligonucleotide.
                                                                                                                                                         Disclosure, SEQ ID NO 265; 1290pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAQ24034 standard; DNA; 12 BP
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Query Match
Best Local Similarity 90.vv.
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(first entry)
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                                WPI; 2005-305936/31
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21-SEP-1992
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Sekine A,
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New anti:sense oligo:nucleotide(s) for inhibiting HSV - also used for diagnosis and for inhibiting HIV activation by herpes virus.

(UYMA-) UNIV MARYLAND BALTIMORE,

UNIV JOHNS HOPKINS

(07.70)

MPI, 1992-132145/16.

Aurelian L, Tso P;

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The sequence is that of an antisense oligonucleotide which can be used for inhibiting growth or replication of herpesviruses. It corresponds to an antisense sequence of a herpesvirus site, pref. in a gene that is essential for synthesising nucleic acids e.g. the immediate early genes or Vmw65. It can be prepd. by solid phase triester or phosphor-amidite chemistry or by recombinant DNA techniques. It can be used for treating infection by herpesviruses, e.g. herpes simplex type 1 (HSV-1) and type 2 (HSV-2), varicella zoster (VSV), Epstein-Barr (EBV), cytomegalovirus (CMV), human herpesvirus 6 (HHV-6) and 7 (HHV-7). In addition, the inhibition of herpesvirus growth or replication may indirectly forestall the progression of events from HIV exposure to the clinical manifestation of AIDS. It may also be useful in the detection, diagnosis and manipulation of herpes virus. See also AAQ23764-Q23788 and AAQ24014-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Adenovirus major late transcription factor element under control of TCRE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New oligo-nucleotide(s) contg, transcription control recognition element - stabilised by covalent bonding of two DNA strands, act as decoys for regulatory protein to modulate specific RNA.
                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Transcriptional control recognition element; decoy; cellular RNA; promoter; hormone receptor element; viral; liver; tissue; viral; proliferation; linker; NF-1; ss.
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                                                                                                                                                                                                                                                                                                                                                                    DB 1; Length 12,
                                                                                                                                                                                                                                                                                                                                                                                                        1; Indels
                                                                                                                                                                                                                                                                                      Q24044. (Updated on 25-MAR-2003 to correct PA field.)
                                                                                                                                                                                                                                                                                                                              Sequence 12 BP; S A; 3 C; 2 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                      81;
                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
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90.0%; Pred. No. 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 6; 41pp; English.
Claim 1; Page 38; 77pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                              4 CATGGTCACA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 CATGGTAACA 11
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19-MAR-1993
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Best Local S
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US10719370A-446.rng.sl

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WPI; 1993-386599/48.
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                                                                                                           PI field.)
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                                            Gaps
                                                                                                                                                                            RNA; enzyme; enzymatic RNA molecule; ERM; cleave; RNA; mRNA; HnRNA; picornavirus; HIV; immunodeficiency virus; hepatitis B virus; HBV; papilloma virus; HPV; Epstein-Barr virus; EBV; TCLV; T-cell leukaemia virus; hepatitis C virus; HCV; cytomegalovirus; influenza virus; HSV; herpes simplex virus; vector; immune response; antibody; ribozyme; viral RNA; treatment; ss.
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                              DB 1; Length 12;
                                            1; Indels
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                Sequence 12 BP; 2 A; 5 C; 4 G; 1 T; 0 U; 0 Other;
                             Score 8.4; DB Pred. No. 81; 0; Mismatches
                                                                                                                                                               Herpes simplex virus target sequence 24.
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92US-00884333.
92US-00884422.
92US-00884411.
92US-00884436.
   MAR-2003 to correct PN field.)
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920S-00882886.
920S-00882888.
920S-00882889.
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92US-00883823.
92US-00883849.
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92US-00935854.
92US-00936086.
92US-00948359.
92US-00963322.
                                                                                                             AAQ52946 standard; RNA; 12 BP
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92US-00882714.
92US-00882823.
                             42.0%;
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92US-00882712
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                                                                                                                                               (first entry)
                                            9; Conservative
                                                          7 GGTCACATGG 16
                                                                                                                                          (revised)
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                             Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                           29-APR-1993;
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26-MAY-1994
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14-MAY-1992
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14-MAY-1992
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14-MAY-1992
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14-MAY-1992
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Mamone JA;
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                                             Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Adenovirus Ad5 major late promoter (MLP) upstream promoter element (UPE).
                                                                                                                                                                        The sequences (AAQ52923-Q53037) are pref. herpes simplex virus target sequences for enzymatic RNA molecules. The RNA molecules are complementary to a substrate binding region in the specified gene target. They also have enzymatic activity, in that they specifically cleave RNA in the target. The ERMs interfere with viral replication and therefore have anti-viral properties. They can be used to attenuate viruses to be used in vaccines. (Updated on 25-MAR-2003 to correct PN field.) (Updated on 25-MAR-2003 to correct
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Enzymatic RNA molecules - used to inhibit viral replication, infection
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 8.4; DB 1; Length 12; Pred. No. 81; 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 12 BP; 2 A; 4 C; 4 G; 0 T; 2 U; 0 Other;
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                                                                                                                    Claim 5; Fig 15; 287pp; English
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Best Local Similarity 90.0
Matches 9; Conservative
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                                            and gene expression
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Sequence 12 BP; 3 A; 3 C; 4 G; 2 T; 0 U; 0 Other;

plant cells

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transregulate gene expression via promoter, or enhancer elements transfer whiches, e.g., to introduce transgenes are also useful as gene transfer whiches, e.g., to introduce transgenes into tissues or cells, and may thus be used as gene therapy vectors. The recombinant adenoviruses can be grown without the presence of DNA complementary to the wild type adenoviral MLP, substantially reducing the probability for generating replication competent adenovirus (RCA). In addition, because the viruses have a MLP which greatly attenuates Li-LS gene expression in nonpermissive host cells, they are less able than first generation vectors to express late viral gene products in a host cell. Sequences AAZ5957-Z59960 represent promoter elements of the MLP of adenovirus secotype 5 (Ad5). The present sequence represents the upstream promoter element (UPB), which is located 63 by upstream of the transcriptional
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 12 BP; 2 A; 5 C; 4 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                          start site
      856666666666666888
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DB 1; Length 12; 1; Indels Query Match
42.0%; Score 8.4; DB
Bost Local Similarity 90.0%; Pred. No. 81;
Matches 9; Conservative 0; Mismatches

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Gaps

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7 GGTCACATGG 16 12 GGTCACGTGG 3 δ 요

AAA30866 standard; DNA; 12 BP. RESULT 101 AAA30866

AAA30866;

19-SEP-2000 (first entry)

Fragment of a plasmid for expressing a ubiquitin monomer.

Ubiquitin monomer; protein production; plant cell; ubiquitin promoter; plasmid fragment; ss

Unidentified

40200036129-A1

98WO-SG000103 11-DEC-1998; 22-JUN-2000

98WO-SG000103 11-DEC-1998;

(MOLE-) INST MOLECULAR AGROBIOLOGY,

Wu J, Chen X; Fang R,

WPI; 2000-431604/37

This sequence represents a fragment of a plasmid expressing a fusion construct encoding a fusion protein having a ubiquitin monomer linked to a protein of increast. The invention relates to a method for enhancing production of a desired protein in a plant or plant cell by inserting a nucleic acid (NA) encoding a ubiquitin monomer upstream of a NA encoding and expression is not controlled by the ubiquitin promoter. The invention and expression is not controlled by the ubiquitin promoter. The invention also relates to a NA acid vector a NA vector able to transform a plant cell, that comprises NA encoding a fusion protein having a ubiquitin monomer linked to a protein of interest and further, where expression of the fusion construct is not under control of a ubiquitin promoter. The construct allows enhanced production of the desired protein in plants or Production of desired protein in plants or plant cells by linking a ubiquitin monomer coding sequence upstream of the gene encoding the Example 2; Page 20; 42pp; English. desired protein.

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Gaps

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Score 8.4; DB 1; Length 12; Pred. No. 81; 0; Mismatches 1; Indels

Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative

11 ACATGGATGA 20

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e

12 AGATGGATGA

data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC0010-ABE09989, ABE00010-ABE99989, ABE00010-ABE99989, ABE00010-ABE99989 and ABI00010-ABE92073 represent the oligomers described in the invention. NOTE: The sequence
                                                                                                                                                                                                                                                                                                                                          SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                        Gapa
                                                                                                                                                                                                                                                                                                         Oligonucleotide primer SEQ ID NO 348128 for detecting SNP TSC0045459.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
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Query Match
42.0%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 81;
Matches 9; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                 ABI48155 standard; DNA; 12
                                                                                                                                                                                                                                                                      (first entry)
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                                                                         8 GTCACATGGA 17
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                                                                                                            2 GTCGCATGGA
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ID ABI48
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Berlin K;

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06-APR-2001; 2001WO-IB000713
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                                                                                                                                  (EPIG-) EPIGENOMICS
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            Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                               This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99989, ABF00010-ABH99989 and ABI00010-ABI82073 texpresent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                       SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Oligonucleotide primer SEQ ID NO 372362 for detecting SNP TSC0059339.
                                                                                                 Oligonuclectide primer SEQ ID NO 335080 for detecting SNP TSC0038590.
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0; Mismatches
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                                                                                                                                                                                                                                                                                                                            Berlin K;
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                         ABI35107 standard; DNA; 12 BP
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 RESULT 103
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ID ABI7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; 88; central nervous system; gastrointestinal; respiratory; immune; metabolic.
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Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine
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                                                                                                                                                   Claim 1; SEQ ID NO 372362; 29pp + Sequence Listing; German.
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Best Local Similarity 90.v-
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2 ATATGGATGA 11
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                                                                                   methylation status.
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Olek A,

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This invantion describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, cardity as a system, cardity acut may metholic disorders. The oligomers are also used for detecting cell type differentiation. ABC0010-ABC99989, ABF00010-ABF99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Oligonuclectide primer SEQ ID NO 304734 for detecting SNP TSC0021079.
                                                                  Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine
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                                                                                                                                        Claim 1; SEQ ID NO 284076; 29pp + Sequence Listing; German.
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42.0%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 81;
Matches 9; Conservative 0; Mismatches 1; Indels
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Berlin K;
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Piepenbrock C,
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                                   WPI; 2001-657177/75
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                 range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligoners are also used for detecting cell type differentiation. ABC00010-ABC9989, ABF00010-ABF99989, ABF00010-ABF99989, ABF00010-ABF99989, ABF00010-ABF99989, ABF00010-ABF99989, and ABI00010-ABF82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at fitted specification, but ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligomucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABH82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic formmat from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
oligonucleotides are used for diagnosis and/or prognosis of cancer and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Oligonucleotide primer SEQ ID NO 267657 for detecting SNP TSC0000420.
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                                                                                                                                                                                                      Sequence 12 BP; 4 A; 1 C; 5 G; 2 T; 0 U; 0 Other;
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90.0%; Pred. No. 81;
cive 0; Mismatches
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nes 9, Conservative
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                                                                                                                                                                                                                                                                                                                                                                       2 ACGTGGATGA 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-657177/75.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABH67680;
                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                    Best Loca
                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABH67680
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DB 1, Length 12;

42.0%; Score 8.4;

Query Match

This invention describes novel oligonucleotide primers or peptide nucleic scid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The

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Berlin K;
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                                                                                                                                                                                                                               06-APR-2001; 2001WO-IB000713.
                                                                                                                                                                                                                                                              07-APR-2000; 2000DE-01019173.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
            (first entry)
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                                                                                                                                                                                                                                                                                                                          Olek A, Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11 ACATGGATGA 20
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11 AAATGGATGA 2
                                                                                                                                                                                                                                                                                           (EPIG-) EPIGENOMICS
                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-657177/75.
                                                                                                                                                                   WO200177384-A2.
                                                                                                                                      Homo sapiens.
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              22-FEB-2002
                                                                                                                                                                                                  18-OCT-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAH49257;
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셤
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. AGC00010-ABC99989, ABF00010-ABH99989 and ABI00010-ABH82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
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                                                                                                                                                                                                                                                                             SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                               Oligonucleotide primer SEQ ID NO 308276 for detecting SNP TSC0022938.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine ^{\prime\prime}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; SEQ ID NO 308276; 29pp + Sequence Listing; German.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 12 BP; 2 A; 5 C; 1 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
Pred. No. 81;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Berlin K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABI29750 standard; DNA; 12 BP.
                                                                                                                                                      ABI08303 standard; DNA; 12 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                        06-APR-2001; 2001WO-IB000713
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-APR-2000; 2000DE-01019173
                                                                                                                                                                                                                  (first entry)
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Best Local Similarity 90.(
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Piepenbrock C,
                                             11 ACATGGATGA 20
                                                               (EPIG-) EPIGENOMICS AG.
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|ACGTGGATGA 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-657177/75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                methylation status.
                                                                                                                                                                                                                                                                                                                                                                            WO200177384-A2
                                                                                                                                                                                                                    22-FEB-2002
                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                         18-OCT-2001
                                                                                                                                                                                     ABI08303;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Olek A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 109
ABI29750/c
                                                                                                                       RESULT 108
ABI08303/c
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Matches
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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and excessime methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC0010-ABC99989, ABH00010-ABH99889 and ABI00010-ABH2073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                         SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
Oligonucleotide primer SEQ ID NO 329723 for detecting SNP TSC0035111.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
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Polyamide-oligonucleotide derivative, anticancer, antiproliferative, antiviral, hepatotropic, vasotropic, antisense inhibition, ribozyme, integrin, cell-cell adhesion, cancer, restenosis, stability, PNA,

peptide nucleic acid; ss.

EP1113021-A2 04-JUL-2001

Synthetic.

PNA-forming oligonucleotide #19.

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42.0%; Score 8.4; DB 1; Length 12; 90.0%; Pred. No. 81; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                    Sequence 12 BP; 3 A; 3 C; 3 G; 3 T; 0 U; 0 Other;
                                                (AVET ) AVENTIS PHARMA DEUT GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                    AAH49256 standard, DNA; 12 BP.
                  08-MAR-1995; 2001EP-00104012.
                              94DE-04408528.
95EP-00103332.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            26-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 90.0
Matches 9; Conservative
                                                             Uhlmann E, Breipohl G;
                                                                                                                                                                                                                                                                                                                                                                                          1 CCTCATGGTC 10
                                                                                                                                                                                                                                                                                                                                                                                                     2 CATCATGGTC 11
                                                                          WPI, 2001-591267/67.
                               14-MAR-1994,
08-MAR-1995;
      04-JUL-2001.
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                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 111
AAH49256
ID AAH492:
XX
AC AAH492:
XX
DT 26-NOV
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This invention describes novel polyamide-oligonuclectide derivatives (I) and their physiologically acceptable salts of formula F([DNA]-Li) q(PNA-Li) at CNA-Li) a(PNA]-Li) xF where q, r, s, t = 0 or 1, with the sum of two or more adjacent letters at least 2; x = 1-20; DNA = nucleic acid (such as DNA or RNA or their known derivatives); Li = covalent linkage at Obetween DNA and PNA, i.e. a bond or a residue containing at least one nucleobase different from thymins, and F. F' = and groups and/or are connected through a covalent bond. The products of the invention have anticancer, antiproliferative, antiviral, hepatotropic and vasocropic activity and can be used for the inhibition of gene expression by antisanse, ribozyme, sense, or triple-helix methods, or by binding to proteins (aptamers). (I) are used for treating diseases caused by viruses (human immune deficiency, herpes simplex, influenza, vesicular stemmatitis, hepatitis B or papilloma), or mediated by integrins or cellance the target is amplified before being detected by hybridization, for cellandsenous or homogeneous assays, as primers or probes, particularly corrected being detected by hybridization, for the increased affinity for complementary strands and better stability in the attended of genetic, malignant or pathogen-related diseases. (I) retain the disadvantages, i.e. have improved cellular uptake, do not aggregate in aqueous solution, and have reduced affinity for purification contined and produced active than either DNA or PNA oligomers. When used as probes, (I) showed active than either base-pair mismatches in the DNA and PNA. The convenient all mismatches in the DNA and pnonses of segments, all parts the all the and produced active than either by an entire pair mismatches in the DNA and pnonses or probes, and the parts of the par
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      pathogenic conditions such as the transition from proto-oncogene to chooceded, also, when used as primers, with the PNA segment at the 5'-end, they produce amplicons resistant to 5'-exonuclease, allowing this enzyme to be used to eliminate RNA or DNA primers. The DNA component allows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               additional reactions not possible with PNA alone, e.g. 3'-tailing and (I) may be incorporated into a gene. AAH49208-AAH49264 represent oligonuclectides used to illustrate the method of the invention
New DNA-peptide nucleic acid chimeras, useful e.g. as antisense agents for treating e.g. cancer, also as diagnostic probes and primers.
                                                                                                                                                                                                               Example 43; Page 46; 54pp; German.
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New DNA-peptide nucleic acid chimeras, useful e.g. as antisense agents for treating e.g. cancer, also as diagnostic probes and primers.

AVET) AVENTIS PHARMA DEUT GMBH

Uhlmann E, Breipohl G;

WPI; 2001-591267/67.

94DE-04408528. 95EP-00103332.

14-MAR-1994; 08-MAR-1995;

08-MAR-1995; 2001EP-00104012

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This invention describes novel polyamide-oligonuclectide derivatives (I) and their physiologically acceptable salts of formula F([DNA]-Li) Q(PNA-Li) and their physiologically acceptable salts of formula F([DNA]-Li) Q(PNA-Li) and F(PNA]-Li) xF where q, r, s, t = 0 or 1, with the sum of two or more adjacent letters at least 2, x = 1-20, DNA = nucleic acid (such as DNA or RNA or their known derivatives); Li = covalent linkage containing at least one nucleobase different from thymine; and F, F' = atom of carbon, nitrogen, oxygen or sulfur; PNA = polyamide structure containing at least one nucleobase different from thymine; and F, F' = containing at least one nucleobase different from thymine; and F, F' = and groups and/or are connected through a covalent bond. The products of the invention have anticancer, antiprollferative, antiprient of gene containing at least one nucleobase different from thymine; and F, F' = and groups and/or are connected through a covalent bond. The products of the invention have antiense, riboxyme, sense, or triple-helix methods, or by binding to proteins (aptamers) (I) are used for treating diseases caused by viruses (human immune deficiency, herpes simplex, influenza, vesicular stomatitis, hepatitis B or papilloms), or mediated by integrins or cell-cell adhesion reactions, for treating cancer, or for inhibiting createnosts, particularly as antisense reagents. They are also useful in heterogeneous or homogeneous assays, as primers or probes, particularly where the target is amplified before being detected by hybridization, the increased affinity for complementary strands and better stability in serum, associated with conventional peptide nucleic caids (PNA), but lack the disadvantages, i.e. have improved cellular uptake, do not aggregate in aqueous solution, and have reduced affinity for purification continued and nave reduced affinity for purification continued and nave the reagent meaning and non-active than either DNA or PNA oligomers per particular production of the control of the prod
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 additional reactions not possible with PNA alone, e.g. 3'-tailing and (I) may be incorporated into a gene. AAH49208-AAH49264 represent oligonucleotides used to illustrate the method of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                oncogene, also, when used as primers, with the PNA segment at the 5'-end, they produce amplicons resistant to 5'-exonuclease, allowing this enzyme to be used to eliminate RNA or DNA primers. The DNA component allows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pathogenic conditions such as the transition from proto-oncogene to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 43; Page 46; 54pp; German.
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Matches 9; Conservative
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This invention describes novel polyamide-oligonuclectide derivatives (I) and their physiologically acceptable salts of formula F((DNA)-Li) _q(PNA) _ Li) _ C(NA)_Li) = (PNA)_Li) _ C(NA)_Li) _ C(NA)_L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA-peptide nucleic acid chimeras, useful e.g. as antisense agents treating e.g. cancer, also as diagnostic probes and primers.
                                                                                                                                                                                                                     Polyamide-oligonucleotide derivative; anticancer; antiproliferative; antiviral; hepatotropic; vasotropic; antisense inhibition; ribozyme; integrin; cell-cell adhesion; cancer; restenosis; stability; PNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sxample 43; Page 46; 54pp; German.
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                                                                                                                                                                              PNA-forming oligonucleotide #23
                                            AAH49260 standard; DNA; 12 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   94DE-04408528.
95EP-00103332.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         08-MAR-1995; 2001EP-00104012.
                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                         peptide nucleic acid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Jhlmann E, Breipohl G;
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                                                                                                                                    26-NOV-2001
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                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                        AAH49260;
RESULT 112
AAH49260
ID AAH492
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This invention describes novel polyamide-oligonuclectide derivatives (I)
and their physiologically acceptable salts of formula F((DNA)-Li)_g(PNA-Li)_s (SNA)-Li)_LxF' where q, r, s, t = 0 or 1, with the sum of
two or more adjacent letters at least 2; x = 1-20; DNA = nucleic acid
two or more adjacent letters at least 2; x = 1-20; DNA = nucleic acid
c two or more adjacent letters at least 2; x = 1-20; DNA = nucleic acid
c two or more adjacent letters at least 2; x = 1-20; DNA = nucleic acid
c two or more adjacent letters at least 2; x = 1-20; DNA = nucleic acid
c stom of carbon, nitrogen, oxygen or sulfur; PNA = polyamide structure
c atom of carbon, nitrogen, oxygen or sulfur; PNA = polyamide structure
c containing at least one nucleobase different from thymine; and F, F' =
c end groups and/or are connected through a covabent bond. The products of
c the invention have anticancer, antiproliferative, antiviral, hepatotropic
c and vasotropic activity and can be used for the inhibition of gene
c expression by antisense, ribozyme, sense, or triple-helix methods, or by
c binding to proteins (aptamers) (1) are used for treating diseases caused
c by viruses (human immune deficiency, herpes simplex, influenza, vesicular
c scomatitis, hepatitis B or papilloma), or mediated by integrins or cell-
c cell adhesion reactions, for treating cancer, or for inhibiting
c restenosis, particularly as antisense reagents. They are also useful in
c restenosis, particularly as antisense reagents or probes, particularly
c where the target is amplified before being detected by hybridization, for
diagnosis of genetic, malignant or pathogen-related diseases. (1) retain
c the increased affinity for complementary strands and better stability in
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additional reactions not possible with PNA alone, e.g. 3'-tailing and may be incorporated into a gene. AAH49208-AAH49264 represent oligonucleotides used to illustrate the method of the invention
                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Polyamide-oligonucleotide derivative; anticancer; antiproliferative; antiviral; hepatotropic; vasotropic; antisense inhibition; ribozyme; integrin; cell-cell adhesion; cancer; restenosis; stability; PNA;
                                                                                                                                                                                ö
                                                                                                                                DB 1; Length 12;
                                                                                                                                                                              1; Indels
                                                                                           Seguence 12 BP; 3 A; 3 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                       81;
                                                                                                                                                                              0; Mismatches
                                                                                                                                     Score 8.4;
Pred. No. 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 43; Page 46; 54pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AVET ) AVENTIS PHARMA DEUT GMBH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PNA-forming oligonucleotide #24.
                                                                                                                                                                                                                                                                                                                                                                                 BP.
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95EP-00103332.
                                                                                                                                     42.0%;
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                                                                                                                                                                                                                                                                                                                                                                               AAH49261 standard; DNA; 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-NOV-2001 (first entry)
                                                                                                                                                                                9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              peptide nucleic acid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Uhlmann E, Breipohl G;
                                                                                                                                                                                                                            10
                                                                                                                                                                                                                                                                     2 CATCATGGTC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-591267/67.
                                                                                                                                                                                                                            1 CCTCATGGTC
                                                                                                                                     Query Match
Best Local Similarity
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08-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EP1113021-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                             AAH49261;
                                                                                                                                                                                                                                                                                                                                        RESULT 113
                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                 AAH49261
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the disadvantages, i.e. have increase perfect acted with conventional periods nuclear acted with conventional periods included the disadvantages, i.e. have improved cellular uptake, do not aggregate in aqueous solution, and have reduced affinity for purification materials, reduced cyclocatioty, better sequence specificity. They are more active than either DNA or PNA oligomers. When used as probes; (I) show different responses to base-pair mismatches in the DNA and PNA segments, allowing better discrimination between pathogenic and non-pathogenic conditions such as the transition from proto-oncogene to oncogenic, also, when used as primers, with the PNA segment at the 5'-end, they produce amplicons resistant to 5'-exonuclease, allowing this enzyme to be used to eliminate RNA or DNA primers. The DNA component allows additional reactions not possible with PNA alone, e.g. 3'-tailing and (I) may be incorporated into a gene. AAH49208-AAH49264 represent oligonucleotides used to illustrate the method of the invention
   associated with conventional peptide nucleic acids (PNA), but lack
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Sequence 12 BP; 3 A; 3 C; 3 G; 3 T; 0 U; 0 Other;

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                          Gaps
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 DB 1; Length 12;
                        1; Indels
42.0%; Score 8.4; DB 90.0%; Pred. No. 81; iive 0; Mismatches
                          9; Conservative
Query Match
Best Local Similarity
                        Matches
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1 CCTCATGGTC 10 2 CATCATGGTC 11 ઠે

AAH49259 standard; DNA; 12 BP.

AAH49259,

26-NOV-2001 (first entry)

PNA-forming oligonucleotide #22.

Polyamide-oligonucleotide derivative; anticancer; antiproliferative; antiviral; hepetotropic; vasotropic; antiense inhibition; ribozyme; integrin; cell-cell-cell adhesion; cancer; restenosis; stability; PNA; poptide nucleic acid; ss.

Synthetic.

EP1113021-A2

04-JUL-2001

14-MAR-1994;

08-MAR-1995; 2001EP-00104012.

94DE-04408528. 08-MAR-1995,

(AVET) AVENTIS PHARMA DEUT GMBH,

Uhlmann E, Breipohl G;

WPI, 2001-591267/67.

New DNA-peptide nucleic acid chimeras, useful e.g. as antisense agents for treating e.g. cancer, also as diagnostic probes and primers.

Example 43; Page 46; 54pp; German.

This invention describes novel polyamide-oligonuclectide derivatives (I) and their physiologically acceptable salts of formula F([DNA]-Li)_q(PNA-L

expression by antienns, ribozyme, sense, or triple-helix methods, or by binding to proteins (aptamers). (1) are used for treating diseases caused by viruses (human immune deficiency, herpes simplex, influenza, vesicular stomatitis, hepatitis B or papillomal, or mediated by integrins or cell-adhesion reactions, for treating cancer, or for inhibiting restencies, particularly as antisense reagents. They are also useful in hererogeneous or homogeneous assays, as primers or probes, particularly where the target is amplified before being detected by hybridization, for diagnosis of genetic, malignant or pathogen-related diseases. (1) retain the increased affinity for complementary strands and better stability in the disadvantages, i.e. have improved cellular uptake, do not aggregate in aqueous solution, and have reduced affinity for purification and account account account and account ö pathogenic conditions such as the transition from proto-oncogene to oncogene, also, when used as primers, with the PNA segment at the 5'-end, they produce amplicons resistant to 5'-exonuclease, allowing this enzyme to be used to eliminate RNA or DNA primers. The DNA component allows additional reactions not possible with PNA alone, e.g. 3'-tailing and (1) Gaps and vasotropic activity and can be used for the inhibition of gene may be incorporated into a gene. AAH49208-AAH49264 represent oligonucleotides used to illustrate the method of the invention o; 42.0%; Score 8.4; DB 1; Length 12; 90.0%; Pred. No. 81; ive 0; Mismatches 1; Indels Sequence 12 BP; 3 A; 3 C; 3 G; 3 T; 0 U; 0 Other; 9; Conservative 1 CCTCATGGTC 10 Best Local Similarity Query Match à 셤

2 CATCATGGTC 11

RESULT 115

AAH49258 standard; DNA; 12 BP. AAH49258

26-NOV-2001 (first entry)

PNA-forming oligonucleotide #21.

Polyamide-oligonucleotide derivative, anticancer, antiproliferative, antiviral, hepatotropic, vasotropic, antisense inhibition, ribozyme, integrin, cell-cell adhesion, cancer, restenosis, stability, PNA,

Synthetic.

peptide nucleic acid; ss.

EP1113021-A2.

04-JUL-2001.

08-MAR-1995; 2001EP-00104012.

94DE-04408528. 95EP-00103332. 14-MAR-1994; 08-MAR-1995; (AVET) AVENTIS PHARMA DEUT GMBH

Uhlmann E, Breipohl G;

WPI; 2001-591267/67.

New DNA-peptide nucleic acid chimeras, useful e.g. as antisense agents for treating e.g. cancer, also as diagnostic probes and primers.

Example 43; Page 46; 54pp; German.

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This invention describes novel polyamide-oligonuclectide derivatives (I) and their physiologically acceptable salts of formula F((DNA)-Li)_g(PNA-Li) ac (NNA-Li) as (NNA)-Li)_g(PNA-Li)_g(PNA-Li) as (NNA)-Li)_g(NNA-Li)_g(NA-Li)_g(NNA-Li)_g(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             materials, reduced cytotoxicity, better sequence specificity. They are more active than either DNA or PNA oligomers. When used as probes, (I) show different responses to base-pair mismatches in the DNA and PNA segments, allowing better discrimination between pathogenic and non-pathogenic conditions such as the transition from proto-oncogene to oncogene, also, when used as primers, with the PNA segment at the 5'-end, they produce amplicons resistant to 5'-exonuclease, allowing this enzyme to be used to eliminate RNA or DNA primers. The DNA component allows additional reactions not possible with PNA alone, e.g. 3'-tailing and (I) may be incorporated into a gene. AMH49208-AMH49264 represent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             may be incorporated into a gene. AAH49208-AAH49264 represent oligonucleotides used to illustrate the method of the invention
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ćape Gape ; Score 8.4; DB 1; Length 12; Pred. No. 81; 0; Mismatches 1; Indels 42.0%; Conservative 1 CCTCATGGTC 10 Local Similarity nes 9, Conserv Query Match Matches

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CATCATGGTC 11 a

ABA82718 standard; DNA; 12 BP. (first entry) 07-FEB-2002 ABA82718; RESULT 116 ABA82718,

Human protective DNA sequence CNI-00735 fragment #4.

Human, protective sequence, cell death, cancer, autoimmune disease, neurological disorder, stroke, cytostatic, neuroprotective, gene therapy,

Homo

WO200176457-A2.

18-OCT-2001

39-APR-2001; 2001WO-US011663.

11-APR-2000; 2000US-00547735.

(COGE-) COGENT NEUROSCIENCE INC

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to an isolated human normal or mutant OPAl (the predominant locus for autosomal dominant optic atrophy (ADOA)) polypeptide (I), characterised by a molecular weight of about 112 kDa, and substantially free of other human proteins. Also described is the DNA
                                                                                                                                                                        The present invention relates to protective sequence proteins (ABB44624-ABB44830) and their coding sequences (ABA82701-ABA82937). The sequences, when introduced into a cell either predisposed to undergo cell death or in the process of undergoing cell death, prevent, delay or rescue the cell from death, hence, these sequences are named "protective sequences". The sequences are useful for treating and/or ameliorating cancer, autoimmune diseases and neurological disorders e.g. stroke. Further examples of diseases which may be treated by the present invention are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            dominant optic atrophy (ADOA)) polypeptides and the OPA1 gene, useful in the diagnosis and treatment of autosomal dominant optic atrophy ADOA.
                                                                 New protective sequences and their products, useful for diagnosing and treating diseases involving cell death, including neurological disorders e.g. stroke and for identifying modulators of expression of the protective sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel human normal or mutant OPA1 (the predominant locus for autosomal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; ophthalmological; OPA1; autosomal dominant optic atrophy; ADOA;
                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
         Barney S;
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                                                                                                                                                                                                                                                                                                                                                                       Score 8.4; DB 1; Length 12; Pred. No. 81;
                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
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         10 DG,
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         Katz LC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Alexander C,
                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human OPA1 gene, exon/intron junction #27.
           Puranam K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Fig 12; 75pp; English.
                                                                                                                                                 Claim 2; Fig 5; 283pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bhattacharya S, Wissinger B,
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                                                                                                                                                                                                                                                                                                                                                                          42.0%;
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                                                                                                                                                                                                                                                                                                               given in the specification
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Best Local Similarity 90.0.
             Portbury SD,
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                                     WPI; 2002-025874/03.
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           Thomas MB,
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useful e.g. for treating tumors and residue for improving e.g.
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                                                                                                                                                                                                            Peptide nucleic acid, PNA; polyamide backbone; phosphoryl radical; cytostatic; virucide; dermatological; antiasthmatic; cancer; antisense; viral infection; vitiligo; pigmentation disorder; asthma; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1; Length 12;
                                                                                                                                                                                                                                                                                                                                                                                /mod_base= OTHER
/note= "modified by phosphate and N-(2-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 12 BP; 3 A; 3 C; 3 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "modified by hex"
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                                                                                                                                                                                                                                                                                                                                                                                                                         hydroxyethyl)glycine
                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                           Modified peptide nucleic acid #1.
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/mod_base= OTHER
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                                                           AAK98610 standard; DNA; 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               solubility in water.
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                             Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                           modified base
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                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                  AAK98610;
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ID ABA9
XX
AC ABA9
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DT 16-2
                                             AAK98610
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to selenoproteins encoded in the genome of a virus, where the coding sequence of the selenoprotein is genetically engineered for expression in a nucleic acid construct. The invention also discloses a method for identifying selenoprotein coding sequences, for detecting certain viruses (e.g. HIV or Ebola), cancer and immune system disorders. The present sequence was used to illustrate the invention. (Updated on 29-AUG-2003 to standardise OS field)
(II) encoding (I). (I) and (II) are useful as a medicament, for the treatment of a medical condition resulting from a defect in the OPA1 gene, which results in autosomal dominant optic atrophy. The nucleic acid and antibodies to (I) are useful in a variety of hybridisation and immunological assays to screen for, and to detect the presence of, either a normal or a defective OPA1 gene or gene product. ABK72533-ABK72593 represent the human OPA1 gene and intron/exon splice junctions
                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Selenoprotein; HIV; Ebola virus; cancer; immune system disorder; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New selenoprotein for use in detecting certain viruses, e.g. human immunodeficiency virus (HIV) or Ebola, cancer and immune system
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82.0%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 81;
Matches 9; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                           DB 1; Length 12
                                                                                                                                                                                                                                  1; Indels
                                                                                                                                                         Sequence 12 BP; 3 A; 1 C; 3 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                           Score 8.4; DB Pred. No. 81; 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Col 26; 140pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (UYGE-) UNIV GEORGIA RES FOUND INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human immunodeficiency virus 1
                                                                                                                                                                                                                                                                                                                                                                                                      ABA01332 standard, RNA, 12 BP.
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                                                                                                                                                                                           Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-024734/03
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RESULT 118 ABA01332/c

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This invention describes a novel nucleic acid containing a specific segment having at least one region that modulates expression of the VRI (vanilloid receptor type 1) receptor, or a functional derivative, allele or fragment of this region, or a sequence that hybridises to it under standard conditions. The VRI modulator is derived from one or more of positions 221931-223344 of GenBank AL670399, 31673-36359 of AL663116, or 44731-43211 or 36616-33151 of AF168787 and is involved in transmission of pain, particularly in primary sensory neurons. The invention also describes a vector that contains the VRI modulator, host cells containing this vector (other than human germ or embryonal stem cells) and a method for modulating expression of the VRI receptor by introducing the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New nucleic acid that modulates expression of the vanilloid receptor-1, useful for control of pain or sensitivity disorders, comprises sequences from control regions of the receptor gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ds; VR1 receptor; vanilloid receptor type 1; modulator;
pain transmisator; primary sensory neuron; transmisatoribtion factor;
detection; MZF1; NFkappaB; NFAT; GATA1; sensitivity disorder; analgesia;
hypalgesia; hyperalgesia; neuralgia; myalgia; rat.
                                                                                                                    The invention comprises the amino acid and coding sequences of SLC26A6, SLC26A1 and SLC26A2 anion transporter proteins. The DNA and protein sequences of the invention are useful for treating cancer. The present DNA sequence represents a splice site from the gene encoding the mouse SLC26A6 anion transporter protein.
                                          New SLC26A6, SLC26A1 or SLC26A2 polypeptide, useful for preparing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rat VR1 exon 1d transcription factor binding fragment #41.
                                                                                                                                                                                                                          Sequence 12 BP; 3 A; 1 C; 3 G; 5 T; 0 U; 0 Other;
                                                                                          Example 2; SEQ ID NO 26; 204pp; English
                                                           composition for treating e.g., cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Schaefer MKH;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page 46; 68pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                            BP.
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                                                                                                                                                                                                                                                                                                                          9 TCACATGGAT 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-468868/44.
             WPI; 2003-712726/67.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADQ29965
                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 122
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to peptide nucleic acid (PNA) derivatives. These can be used in the treatment of cancer, viral infections, vitiligo or other pigmentation disorders, and asthma. The present sequence is an oligonucleotide fragment of a PNA described in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                            New peptide nucleic acid derivatives, useful e.g. for treating tumors and diagnosis, have N-terminal phosphoryl residue for improving e.g.
                             Peptide nucleic acid; PNA; polyamide backbone; phosphoryl radical; cytostatic; virucide; dermatological; antiasthmatic; cancer; antisense; viral infection; vitiligo; pigmentation disorder; asthma; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1; Length 12;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               42.0%; Score 8.4; DB 90.0%; Pred. No. 81; Live 0; Mismatches
Peptide nucleic acid SEQ ID NO: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (UYVA-) UNIV VANDERBILT.
(UYCA-) UNIV CASE WESTERN RESERVE.
(BGHM ) BRIGHAM & WOMENS HOSPITAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Page 91; 96pp; German.
                                                                                                                                                                                                                                                            (AVET ) AVENTIS PHARMA DEUT GMBH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              splice site; ds; mouse; murine
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                                                                                                                                                                                               07-APR-2001; 2001WO-EP004027
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Best Local Similarity 90...
Best Sons 9; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                solubility in water.
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                                                                                                                                                              25-OCT-2001
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                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   invention
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fragment that may act as a target for the complex of the invention.

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modulator or the vector into a cell that contains the VRI gene. The products of the invention are used for detecting a transcription factor from its binding to a regulatory sequence (or a double-stranded oligonucleotide fragment of it), e.g. by Western blotting or enzyment of it), e.g. by Western blotting or enzyment of associated with overexpression or diseases associated with overexpression of the transcription factor. The region that modulets VRI receptor expression includes a binding site for a transcription factor, e.g. MZF1, NFkappaB, NFAT or GATA1. The nucleic acids of the invention, or vectors containing them, sensitivity disorders, e.g. analgesia, hypalgesia or hyperalgesia, also neuralgia and myalgia, that are associated with activity of the VRI receptor. This sequence represents a fragment of rat VRI exon id DNA which is capable of binding to a transcription factor.
            8×9999999999988
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Sequence 12 BP; 3 A; 2 C; 6 G; 1 T; 0 U; 0 Other;

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Score 8.4; DB 1; Length 12;
Pred. No. 81;
0; Mismatches 1; Indels
Query Match
Best Local Similarity 90.0%;
Matchas 9; Conservative
                                                                 10 CACATGGATG 19
                                                                                                1 CACAGGGATG 10
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Gaps

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MLTF/USF promoter target DNA fragment. AEF80873 standard; DNA; 12 BP 20-APR-2006 (first entry) AEF80873; RESULT 123 ARF80873/c

Gene expression, gene regulation, platinum zinc complex, cancer; tumor, neoplasm; promoter; target; ds.

Unidentified

JP2006045131-A.

16-FEB-2006.

05-AUG-2004; 2004JP-00229182.

05-AUG-2004; 2004JP-00229182

(UYTK) UNIV TOKYO RIKA GH.

Kimura E;

Okaya R, Takeda T,

Aoki S,

WPI, 2006-150505/16.

Novel platinum-zinc complex useful as agent for controlling expression of promoter sequence or RNA of specific gene for treatment of cancer.

Example 4; Page 10; 21pp; Japanese.

The invention relates to a novel platinum-zinc complex (C1) used in the regulation of gene. expression. The complex of the invention is prepared by reacting a 2.2 -bipyridyl derivative and a cyclen derivative protected by t-butoxycarbonyl (Boc), adding the platinum compound to the obtained complex. (C1) is useful as an agent for controlling the expression of a specific gene. This involves contacting (C1) with the nucleic acid sequence of the gene, where the nucleic acid sequence of the gene, where the nucleic acid sequence which controls the expression of the gene. or an RNA encoding the gene. The platinum complex in (C1) has increased anti-tumor activity with respect to solid tumors such as testicular tumors, ovarian cancer, head and neck cancer, esophageal cancer and small cell lung carcinoma. (C1) controls the gene expression by the combination of zinc and platinum complex in its structure. The current sequence represents a promoter

Sequence 8 BP; 2 A; 2 C; 2 G; 0 T; 2 U; 0 Other;

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AAV63047-V63052 are oligonucleotide primers used in a novel method for sequencing biopolymers with mass spectrometry. The method involves sequencing tibonucleic acids (RNA), nucleic acids (DNA), peptides or oligosaccharides by digestion of the RNA or DNA or peptides or oligosaccharides by digestion of the RNA or DNA or peptides or oligosaccharides direction of the RNA or DNA or peptides or oligosaccharides direction of the separation and detection of the pecifically cleaving compounds. The separation and detection of the segments produced takes place following by mass spectrometry, primarily MALDI (matrix-assisted laser desorption ionisation), and various peak intensities, produced by enzymatic or chemical hydrolysis of the corresponding individual bonds, the mass spectra are enlisted for the intensities of the sequence data. The method is useful for detecting or identifying organisms by DNA or RNA 'fingerprinting' or 'foot printing' or for determining the secondary structure of biopolymers
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                                                                                                                                                                                                                                                                                                                                                                             Sequencing; biopolymer; mass spectrometry; nuclease; peptidase; amidase; carboxyesterase; amidase; glycosidase; MALDI; hydrolysis; detection; matrix-assisted laser desorption ionisation; fingerprinting; primer; ss.
                                                                                               Gaps
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"C nucleotide modified by hydroxyl group"
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/note= "C nucleotide modified by hydroxyl group"
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                                                             42.0%; Score 8.4; DB 1; Length 12;
                                                                                             1; Indels
                              Sequence 12 BP; 2 A; 5 C; 4 G; 1 T; 0 U; 0 Other;
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                                                                            Pred. No. 81;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                              Synthetic RNA 8mer oligonucleotide primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1; Page 3; 28pp; German.
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                                                                            Best Local Similarity 90.0%;
Matches 9; Conservative
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/note= '
                                                                                                                              7 GGTCACATGG 16
                                                                                                                                                              12 GGTCACGTGG 3
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Location/Qualifiers
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                                      15-JAN-1999 (first entry)
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1es 8; Conservative
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             AAV63049;
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AAV63048/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This invention describes a novel method for sequencing an unknown DNA molecule which comprises selecting a library primer from an octamer origonucleotide library consisting of 48 b-tp sequences and corresponding complementary sequences, where the library primer is complementary to a known sequence adjacent to the unknown sequence or is complementary to a sequence in a known extension product. The method is useful for DNA nucleotide sequencing, in PCR, and in other processes which make use of primers. The octamers are used to identify coding sequences. Primer walking using the octamer libraries is advantageous over other sequencing methods because it does not require multiple cloning steps nor subsequent template preparations, and it is a directed and methodical approach.

AAA$0688_A81253 represent the octamer primers used in the primer walking
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequencing an unknown DNA molecule for the polymerase chain reaction and other primer processes comprises primer walking of octamer .
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100.0%; Pred. No. 5.6e+02;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                   Primer walking; octamer; primer; DNA sequencing; PCR; ss.
                                       0; Indels
           40.0%; Score 8; DB 1; Length 8; 100.0%; Pred. No. 5.6e+02; iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                       A. thaliana primer walking octamer SEQ ID NO: 386.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 8; Col 219-220; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homayouni
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP.
                                                                                                                                                                     AAA81073 standard; DNA; 8 BP.
                                                                                                                                                                                                                                                                                                                                                                                                    97US-00859954
                                                                                                                                                                                                                                                                                                                                                                                                                             96US-00632782.
                                                                                                                                                                                                                            (first entry)
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Best Local Similarity 100.
                            Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      method of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hardin PE, Hardin SH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                          UYHO-) UNIV HOUSTON.
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                                                                     8 GTCACATG 15
                                                                                                                                                                                                                                                                                                                 Arabidopsis thaliana
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                                                                                    WPI; 2000-474852/41
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                                                                                                                                                                                                                                                                                                                                                                                                                                15-APR-1996;
                                                                                                                                                                                                                            24-NOV-2000
                                                                                                                                                                                                                                                                                                                                           JS6083695-A
                                                                                                                                                                                                                                                                                                                                                                         04-JUL-2000.
                                                                                                                                                                                                AAA81073;
             Query Match
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                                                                                                                                         125
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AAV63049 ID AAV6

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equencing biopolymers with mass spectrometry. The method involves sequencing ribonucleic acids (RNA), nucleic acids (DNA), peptides or oligosaccharides by digestion of the RNA or DNA or peptide or cligosaccharides grands and comprises the strands being investigated being treated with specific exo-fendonucleases, -peptidases, -carboxyesterases, -amidases or -glycosidases or other sequence- or base-specifically cleaving compounds. The separation and detection of the specifically mainly individual bonds, the mass spectra are anlisted for the corresponding individual bonds, the mass spectra enablisted for the cinterpretation of the sequence data. The method is useful for detecting or identifying organisms by DNA or RNA 'fingerprinting' or 'foot printing' or for determining the secondary structure of biopolymers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                         Sequencing; biopolymer; mass spectrometry; nuclease; peptidase; amidase; carboxyesterase; amidase; glycosidase; MALDI; hydrolysis; detection; matrix-assisted laser desorption ionisation; fingerprinting; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAV63047-V63052 are oligonucleotide primers used in a novel method for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                          /*tag= a
/note= "G nucleotide modified by hydroxyl group"
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/note= "C nucleotide modified by hydroxyl group"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Brill H, Engels JW;
Synthetic DNA 9mer oligonucleotide primer.
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Page 62

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(revised)
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                                                                                                                                    US2003186909-A1
                                                                                                            Homo sapiens.
                                                                                                                                                                                                         27-JAN-1997;
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02-NOV-1994
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                                                                                                                                                          02-OCT-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                              AAV63047-V63052 are oligonucleotide primers used in a novel method for sequencing biopolymers with mass spectrometry. The method involves sequencing tibonucleic acids (RNA), nucleic acids (DNA), peptides or oligosaccharides by diseation of the RNA or DNA or peptides or oligosaccharides by diseation of the RNA or DNA or peptides or oligosaccharide strands and comprises the strands being investigated carboxyseterases, -amidases or -ejhoconideases or other sequence or basespecifically cleaving compounds. The separation and detection of the specifically cleaving compounds. The separation and detection of the specifically cleaving compounds. The separation and detection of the intensities, produced by enzymatic or chemical hydrolysis of the corresponding individual bonds, the mass spectra are enlisted for the corresponding individual bonds, the mass spectra are enlisted for the interpretation of the sequence data. The method is useful for detecting or identifying organisms by DNA or RNA 'fingerprinting' or 'foot printing' or for determining the secondary structure of biopolymers
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                                             Sequencing, biopolymer, mass spectrometry, nuclease; peptidase, amidase, carboxyssterase, amidase, glycosidase, MALDI; hydrolysis, detection; matrix-assisted laser desorption ionisation; fingerprinting; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                         Sequencing biopolymers - by mass spectrometric analysis of cleavage
                                                                                                                                               /*tag= a
'note= "C nucleotide modified by hydroxyl group"
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/note= "C nucleotide modified by hydroxyl group"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 9 BP; 2 A; 2 C; 3 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                         Woerner K, Faulstich K, Brill H, Engels JW;
                      Synthetic RNA 9mer oligonucleotide primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human HER1-4 Zinzyme target sequence #27.
                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                            Example 1; Page 3; 28pp; German.
                                                                                                                                                                                                                                                                    97DE-01014558
                                                                                                                                                                                                                                                                                         97DE-01014558
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15-JAN-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                 (ENGE/) ENGELS J W.
                                                                                                                                 nodified_base
                                                                                                                                                                      modified base
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                                                                                               Synthetic.
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The invention relates to a double stranded short interfering RNA (siRNA) molecule that inhibits expression of epidermal growth factor receptor (EGFR) gene (e.g. HER1-4) by RNA interference is new. Also included is an expression vector comprising a nucleic acid sequence encoding siRNA molecule (s) in a manner that allows expression of the nucleic acid molecule (s) in a manner that allows expression of the nucleic acid molecule straymes and DNAzymes. The siRNA molecules comprise harmerhead ribozymes, inozymes expression of EGFR. It can be used for treatment of cancer, prostate cancer, colorectal cancer, brain cancer, cervical cancer, stomach cancer, ovarian cancer, pancreatic cancer, cervical cancer, head and neck cancer ovarian cancer, melanoma, lymphoma, glioma, multidrug resistant cancer or a brain tumour. The invention has enhanced shelf-life, half-life in vitro, stability, and ease of introduction of oligonucleotide to target site. The present sequence is an EGFR/HER1-4 target sequence for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
Human; 88; EGFR; epidermal growth factor receptor; HER1; HER2; HER3; HER4; hammerhead ribozyme; inozyme; Zinzyme; DNAzyme; ambarzyme; cancer; HER4; hammern, cytostatic; short interfering RNA; siRNA; RNA interference; prostate cancer; colorectal cancer; brain cancer; cosophageal cancer; stomach cancer; bladder cancer; pancreatic cancer; cesophageal cancer; head and neck cancer; ovarian cancer; melanoma; lymphoma; glioma;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5'-primer #24 for investigating gene expression.
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22-SEP-1999; 99US-00401063.
03-MAY-2001; 2001US-00848754.
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                                                                                                                                                                                                                                                                                       multidrug resistant cancer
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Best Local Similarity 75.0
Matches 6, Conservative
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or more
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                                                                                                                                                                                                       AAQ96406 corresponds to nucleotides 1-10 of the nef gene (AAQ96141). The resulting avirulent HIV strains are still capable of inducing an immune response in humans, and enable the generation of therapeutic, diagnostic and targeting agents against HIV-1 infection. (Updated on 16-OCT-2003 to standardise OS field)
                                                                                                                                                 Attenuation of pathogenic HIV-1 strain NL4-3 involves deletion of 1 or more decanucleotides (AAQ96406-Q97018) from the nef gene and/or 1 or modecanucleotides (AAQ97019-Q97166) from the LTR region; the sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gene or
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LTR region - can be used in a vaccine to inhibit/reduce productive
infection in an individual by a pathogenic strain.
                                    New non-pathogenic HIV-1 strain carrying a deletion in its nef geno
LTR region - can be used in a vaccine to inhibit/reduce productive
infection in an individual by a pathogenic strain.
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                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                  DB 1; Length 10;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HIV-1 NL4-3 nef gene nucleotide deletion 515.
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40.0%; Score 8; DB 1
Best Local Similarity 100.0%; Pred. No. 76;
Matches 8; Conservative 0; Mismatches
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(AURE-) AUSTRALIAN RED CROSS SOC.
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                                                                                                              Claim 13; Page 195; 301pp; English
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94AU-00004002
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(first entry)
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WPI; 1995-293115/38
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21-FEB-1994;
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26-MAR-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         contain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAQ45090-Q45115 are preferred 5'-primers for use with a pool of at least 13 '-primers acoupled with a detectable label. The 5'-primers all contain equal numbers of G+C and A+T nucleotides. The 288 (or more) combinations of 5'- and 3'-primers are used in PCR amplifications as part of a method for diagnosing gene expression. The amplified fragments are separated by non-denaturing PAGE and the band pattern is compared to a standard. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                Diagnostic agent for investigating gene expression - comprises oligonucleotide primer pairs formed from labelled 5'- and 3'-oligonucleotide primers.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cooper D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               40.0%; Score 8; DB 1; Length 10; 100.0%; Pred. No. 76; or Indels ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 10 BP; 2 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                 (PLAC ) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Crowe S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HIV-1 NL4-3 nef gene nucleotide deletion 517.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDICAL.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human immunodeficiency virus 1
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94AU-00004002.
94AU-00000284.
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                                                                                                                                                       93DE-04317414
                                                                                                                                                                                             93DE-04317414
                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 7; Col 7; 6pp; German
      gene expression; cancer; ss
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                                                                                                                                                                                                                                                                          Bauer D;
                                                                                                                                                                                                                                                                                                            WPI; 1994-110647/14.
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AUSTRALIAN
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21-FEB-1994;
23-DEC-1994;
                                                                                                                                                       18-MAY-1993;
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26-MAR-1996
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                                                                                                                  21-APR-1994
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                                                                                                                                                                                                                                                                          Strauss M,
                                        Synthetic.
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AAQ9692:

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camplified polymorphic DNA (RAPD) reaction primers used in a random comprise used to isolate the sequence represented by AAT35706 for sequences were used to isolate the sequence represented by AAT35706 for use in the diagnostic assays of the invention. The qualitative assays of the invention comprises analysing a sample for the presence of the sample convention comprises taking a sample for the presence of the sample is infected by V.dahliae sequence in the sample convention, comprises taking a sample and isolating nucleic acids from it. A sequence that acts as an internal standard (see AAT35707) is added to the isolated nucleic acids. The internal standard competes with the convention, comprises taking a sample and isolating nucleic acids from the isolated nucleic acids. The internal standard (see AAT35707) is added to the internal standard sequence for the PCR primers used in the reaction (such as the sequences represented by AAT35708 and AAT35709). The amplified portion of the internal standard is a different size to the amplified portion of the internal standard is a different size to the amplified portion of the internal field that is going to be used for growing potatoes. These assays are faster and more accurate than methods based on culturing soil samples in selective media. The assays can also distinguish between convolution can be avoided
                                                                                                                                                                    RAPD; random amplified polymorphic DNA; diagnostic assay; quantitative; PCR; primer; qualitative; soil sample; agricultural field; potatoe; V.albo-atrum; soil fumigation; amplify; polymerase chain reaction; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Assay for Verticillium dahliae - by amplification of specific DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAT35710-T35738 represent amplification primers used in a random
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  40.0%; Score 8; DB 1; Length 10;
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                                                                                                                            Primer UBC556 for V.dahliae RAPD reaction.
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  AAT35724 standard; DNA; 10 BP.
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                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                  07-NOV-1994;
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                                                                                                                                                                                                                                                       Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Attenuation of pathogenic HIV-1 strain NL4-3 involves deletion of 1 or more decanucleotides (AAQ96406-Q97018) from the nef gene and/or 1 or more decanucleotides (AAQ961019-Q97166) from the LTR region; the sequence of AAQ96406 corresponds to nucleotides 1-10 of the nef gene (AAQ96141). The response in humans, and enable the generation of therapeutic, and targeting agents against HIV-1 infection. (Updated on 16-OCT-2003 to standardise OS field)
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                                                                              A 84milarity 100.0%; Score 8; DB 1; Length 10; 84milarity 100.0%; Pred. No. 76; 8; Conservative 0; Mismatches 0; Indels
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                                           Sequence 10 BP; 4 A; 0 C; 4 G; 2 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HIV-1 NL4-3 nef gene nucleotide deletion 516.
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1larity 100.0%; Pred. No. 76;
Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MACF-) MACFARLANE BURNET CENT MEDICAL. (AURE-) AUSTRALIAN RED CROSS SOC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Learmont JC, Mcphee DA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 13; Page 194; 301pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human immunodeficiency virus 1.
                                                                                                                                                                                                                                                                                                                     BP.
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94AU-00004002.
94AU-00000284.
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(first entry)
standardise OS field)
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                                                                                                Best Local Similarity
Matches 8, Conserv
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Best Local Similarity
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21-FEB-1994;
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26-MAR-1996
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Gaps

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(first entry)

20-MAR-1998

REGULT 133 AMT35724

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Best Loc Matches

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This sequence represents a binding site identified using the method of the invention. This sequence was identified using the 32P-labelled of onlygonucleotide duplex shown in AAT76581 and the primers shown in AAT76582 and the method of the invention. The method is for shultaneously isolating protein-binding sites for DNA-binding proteins. The method comprises: (a) mixing a set of oligonucleotide (ON) duplexes having 5' and 3' sequences capable of annealing to primers for amplification and an internal sequence having a potential protein-binding proteins; (b) separating unbound ON duplexes from ON duplexes complexed with the DNA-binding proteins; (c) amplifying complexed duplexes to form amplified duplexes; thereby isolating protein-binding sites for the DNA-binding proteins. The methods can be used to identify protein-binding sites which can be used to identify corresponding DNA-binding proteins in an expression library. They can also be used to develop products to inhibit the function of a given DNA-binding protein or for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CAG repeat; human; genome analysis; adapter primer; medical diagnostic; nucleic acid analysis; variation assessment; neurological disease; Huntington's chorea; PCR suppression; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Identifying protein-binding sites for DNA-binding proteins - using duplexes having 5' and 3' sequences for annealing to amplification primers with an internal potential protein-binding site sequence.
                                                   Protein-binding site isolation; transcription factor modification; DNA-binding protein; inhibitor identification; ss.
                  Binding site BSN5-1 identified using the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Adapter primer oligonucleotide 2 for CAG repeat analysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seguence 10 BP; 2 A; 5 C; 1 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                modification of transcription factors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 3; Page 19; 52pp; English.
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Matches 8; Conservative
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                                                                                                                                                                                                31-JUL-1997
                                                                                                                   Synthetic.
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Nallur GN;

Kulkarni P,

97WO-US001230 96US-00590571

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This sequence represents an adapter primer oligomucleotide. It was used to isolate CAG repeat containing sequences from the human genome to test to isolate CAG repeat containing sequences from the human genome to test the method of the invention. The method is for analysing nucleic acids in a sample, and comprises: (a) providing a sample containing nucleic acid, a first oligomucleotide primer comprising a CAG repeat and a polymerase and PCR cagentis, (b) preparing said nucleic acid so that it is amplifiable; (c) amplifying the nucleic acid with the first and second primers; and preparing the nucleic acid with the first and second primers; and (d) detecting the amplified product. The method is used to distinguish cotween the expression of genes in two or more biological samples, e.g. body fluids, cells, solid tissue or solid and liquid foods. It can be used in medical diagnostics, e.g. to differentiate between normal and diseased tissue or to assess the variation within menozygotic twin pairs. The method allows the isolation and analysis of genome subsets containing CAG repeats which are known to be important in a number of neurological diseases including Huntington's chorea. The method uses PCR suppression, any which any various cell types. Genome complexity is reduced by expressed genes in various cell types. Genome complexity is reduced by the new method which targets genomic subsets containing CAG repeats
                                                                                                                                                                                                                                                                    Analysing nucleic acid samples - using amplification primers which contain CAG or CTG tri:nucleotide repeats for differential display of samples from different sources.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 10 BP; 2 A; 3 C; 2 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                 Example, Page 18; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAT99553 standard; DNA; 10 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       97WO-US009584.
                                                                           98WO-US008616
                                                                                                               97US-0045078P
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Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11 ACATGGAT 18
                                                                                                                                                                                                                                 WPI; 1998-594983/50.
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                                                                                                                                                      (UYBO-) UNIV BOSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-MAY-1997;
                                                                                                                 29-APR-1997;
                                                                           29-APR-1998;
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WO9849345-A1
                                      05-NOV-1998
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Gaps

0; Indels

40.0%; Score 8; DB 1; Length 10; 100.0%; Pred. No. 76; tive 0; Mismatches 0; Indels

(first entry)

96US-0018557P

29-MAY-1996;

(PHAR-) PHARMAGENICS INC

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This random 10-mer primer was used with an oligo-dT primer (see AAT99552) in an RT-PCR amplification of rat embryo fibroblast REF-112 cell RNA. This was performed in order to identifying p53 regulated genes. One transcript that was upregulated specifically in cells harboring wild-type p53 protein was characterised. A previously known gene, mEH (microsomal epoxide hydrolase), was identified. 2 Novel cell growth regulatory genes, CGRII (see AAV04008) and CGRI9 (see AAV0410), were also isolated. These genes and the novel CGRI1 and CGRI9 growth regulatory proteins (see AAW38423 and AAW38425) can be used in methods for the diagnosis and
                                                                                                                     DNA encoding mammalian growth response protein CGR11 or CGR19 - useful to suppress or diagnose cancer, also similar use of SM20 or mEH protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HPPD; barley; hydroxyphenylpyruvate dioxygenase; plant; transformation; transgenic; plant cell; callus tissue, protoplast; electroporation; particle bombardment; soya; barley; wheat; oilseed rape; maize; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA encoding barley hydroxyphenylpyruvate dioxygenase - for producing plants with increased vitamin E content, etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 10; 76;
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                                                          Madden SI;
                                                                                                                                                                                                                                                                                                                                                                    Sequence 10 BP; 2 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                               40.0%; Score 8; DB 1
100.0%; Pred. No. 76;
tive 0; Mismatches
                                                            Beaudry GA, Bertelsen AH, Galella E,
                                                                                                                                                                   Example 2, Page 16; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 1; Page 9; 26pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAX02707 standard; DNA; 10 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                8, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sunflower; tobacco; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Barley HPPD primer #13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 TCATGGTC 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 rcArddrc 10
                                                                                     WPI, 1998-032649/03
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                                                                                                                                                                                                                                                                                                                                       treatment of cancer
                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hordeum vulgare.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BADI ) BASF AG
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                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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AAX02695.X02708 are primers used in the isolation of a novel barley (Hordeum vulgare) hydroxyphenylpyruvate dioxygenase (HPPD) protein. This

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              especially where an expression cassette is introduced into a plant cell, callus tissue, a whole plant or protoplasts by Agrobacterium tumefaciens transformation, electroporation or particle bombardment and where the plants are selected from soya, barley, wheat, oilseed rape, maize and sunflower, or where the DNA is expressed in tobacco plants, especially in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This sequence represents a primer of the invention. The invention relates to eguences of at least two nucleotides of formula: (X)m5'-(alpha)n-beta-N3'; or (X)m5'-(gamma) **delta-N3'; where X = a labelled compound and/or a nucleotide with voluntary sequence; m = 0 or 1; alpha = thymine; n = natural number indicating the repetition of alpha; beta, delta = V or N; V = adenine, guanine or cytosine; N = adenine, guanine, cytosine or thymine; A = natural number of 3 or over indicating the repetition of gamma, in which thymine expressed by gamma is composed of repetition of gamma, in which thymine expressed by gamma is composed of 1/3 or less of adenine, guanine and/or cytosine. The new nucleotides are useful as primers for RT-PCR and determination of base sequences. The new sequences allow for reproductive and highly efficient analysis of gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptides having at least two new nucleotides - useful as primers in RT-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RT-PCR primer; DNA sequence determination; gene sequence analysis; ss.
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                                                                                                                                                                       Length 10;
protein is useful for plant transformation to produce
                                                                                                                                       Sequence 10 BP; 2 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 10 BP; 2 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                     DB 1;
. 76;
                                                                                                                                                                     40.0%; Score 8; DB 1
100.0%; Pred. No. 76;
iive 0; Mismatches
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100.0%; Pred. No. 76;
iive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RT-PCR primer of the invention SEQ ID 16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 11; 19pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            97JP-00208312
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                                                                                                                                                                                                                                                                                                                                                               AAX18375 standard; DNA; 10
                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                           3 TCATGGTC 10
                                                                                                                                                                                                                                                                           3 TCATGGTC 10
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                                                                                                                                                                    Query Match
Best Local Similarity
Matches 8; Conserv
                                                                                                     leaves or seeds
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immunostimulatory cofactor; costimulatory factor; CTL;
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                                                                                                                                                                                                                                                                                                                                                                                                             Differential display RT-PCR primers AAX15549-70 were used in the analysis of murine trigeminal ganglia (TG) explants, to determine the level of viral reactivation after treatment with the composition of the invention. The specification describes a for treating viral infection or reactivation. The method comprises contacting an individual with a compound which is an antagonist of the reaction between the origin binding protein Binding site III sequence from Herpes simplex virus (HSV) and HSV-2 and interferon regulatory factor-1 (IRP-1). Alternatively, the compound lowers the level of IRP-1, TIS7, interferon (IFN)-alpha, or IFN-beta. The method can be used to treat viral reactivation in HSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SAGE tag; serial analysis of gene expression; antigen-presenting cell; APC; monocyte-derived dendritic cell; differential gene expression;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                Origin binding protein Binding site III sequence; HSV-1; HSV-2; viral infection; viral reactivation; interferon regulatory factor-1; IRF-1; TIS7; interferon-alpha; IFN-alpha; IFN-beta; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                             Treating viral infection or reactivation, particularly Herpesvirus using compounds which modulate interferon pathways.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ς٠.
                                                                                             Differential display RT-PCR primer used in analysis of murine TG.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     40.0%; Score 8; DB 1; Length 10; 100.0%; Pred. No. 76;
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                                                                                                                                                                                                                                                                                                                   Leary JJ, Tal-Singer R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human dendritic cell SAGE tag, SEQ ID NO:124.
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                                                                                                                                                                                                                                                                                                                                                                                            Example 3; Page 39; 40pp; English
                                                                                                                                                                                                                                                                                      (SMIK ) SMITHKLINE BEECHAM CORP
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97US-0054515P.
98US-0080352P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAZ77696 standard; DNA; 10 BP.
                                AAX15555 standard; DNA; 10 BP.
                                                                                                                                                                                                                       98WO-US013733
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                                                                        06-MAY-1999 (first entry)
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nes 8; Conservative
                                                                                                                                                                                                                                                                                                                     Berger SL, Fraser NW,
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TCATGGTC 10
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                                                                                                                                                                                                                                                                                                                                         WPI; 1999-105992/09
                                                                                                                                                                                WO9901464-A1
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01-APR-1998;
                                                                                                                                                                                                    14-JAN-1999
                                                                                                                                                           Synthetic.
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                                                     AAX15555;
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              RESULT 139
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                       AAX1555
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Sequences AAZ77573-Z79709 represent SAGE (serial analysis of gene expression) tags used to identify mRNA transcripts encoding immunostimulatory cofactor proteins which are preferentially or differentially expressed in monocyte-derived dendritic cells compared with monocytes. Some of the transcripts correspond to known genes or ESTs (expressed sequence tags) which were previously unknown to be preferentially or differentially expressed in dendritic cells, while cother transcripts correspond to novel genes. Antigen-presenting cell other transcripts correspond to novel genes. Antigen-presenting cell cother transcripts and subsequent recognition by T-cell receptors is alone in subsequent recognition by T-cell receptors is alone in multiplicate a robust cytocxic immune response that can lyse the tumour cells, immunostimulatory cofactors also being required for the tumour cells, immunostimulatory cofactors also being required for efficient activation of cytotoxic T-lymphocytes (CTLs). Nucleic acid sequences identified using the SAGE tags have several potential uses. They may be used in vaccines to induce an immune response, particularly against a tumour antigen; to modulate the genotype of an APC; to screen for agents that modulate expression of differentially expressed genes in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Isolated polynucleotides differentially expressed in antigen-presenting cells, useful in gene vaccines against cancer.
cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; Page 67; 130pp; English.
                                                                                                                                                                                                                                                                       98US-0089831P.
98US-0089818P.
98US-0089981P.
98US-0089991P.
98US-0089991P.
98US-0089991P.
98US-0089991P.
98US-0089991P.
98US-0089991P.
98US-0089991P.
98US-0090018P.
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19-JUN-1998;
19-JUN-1998;
                                                          Homo sapiens.
                                                                                                               WO9965924-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .9-JUN-1998
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(ROBE/)
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         diagnosis, prognosis and monitoring of diseases related to abnormal expresseion of these genes. Detection of the dendritic cell differentially expressed genes, or of their encoded proteins, can be used to identify cells as belonging to the monocyte lineage. Cells containing these genes can be used in active immunotherapy (or to stimulate production of a topolulation of antigen-specific effector cells) and vectors containing them are used in gene therapy. Co-administration of tumour antigens and APC-associated costimulatory factors ensures adequate antigen and presentation to endogenous APCs and upregulates the APCs for the presentation of co-stimulatory signals, migration to T cell-rich sites, secretion of immune effector cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8AGB tag, serial analysis of gene expression; antigen-presenting cell; APC; monocyte-darived dendritic cell; differential gene expression; immunostimulatory cofactor; costimulatory factor; CTL; cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; ss.
                                                                                                                                                                                                                                                 Gaps
 and as hybridisation probes/amplification primers for the
                                                                                                                                                                                                                                                 .
                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                   40.0%; Score 8; DB 1; Length 10; 100.0%; Pred. No. 76; ative 0; Mismatches 0; Indels
                                                                                                                                                                                           Sequence 10 BP; 5 A; 0 C; 3 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human dendritic cell SAGE tag, SEQ ID NO:1517.
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98US-008991P
98US-0089991P
98US-0089993P
98US-0089999P
98US-0089999P
98US-0090009
98US-0090009
98US-0090009
98US-0090040P
98US-0090041P
98US-0090041P
98US-0090041P
98US-0090041P
98US-0090041P
                                                                                                                                                                                                                                                                                                                                                                     AAZ79089 standard; DNA; 10 BP.
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                                                                                                                                                                                                                  Query Match
Best Local Similarity 100."
Matches 8, Conservative
                                                                                                                                                                                                                                                                          13 ATGGATGA 20
                                                                                                                                                                                                                                                                                                    2 ATGGATGA 9
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19-JUN-1998;
19-JUN-1998;
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19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
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Sequences ALST 1992-1993 represent State animals and sequences and tages used to identify manh transcripts encoding immunostimulatory cofactor proteins which are preferentially or differentially expressed in monocyte-derived dendritic cells compared with monocytes. Some of the transcripts correspond to known genes or ESTS (expressed sequence tags) which were previously unknown to be correspond to novel genes. Antigen-presenting cells check transcripts correspond to novel genes. Antigen-presenting cell check transcripts correspond to novel genes. Antigen-presenting cell correspond to novel genes. Antigen-presenting cell correspond to presentation of the cytotoxic immune response, particularly against tumour cells. Tumour antigen presentation by T-cell receptors is alone to activate a robust cytotoxic immune response that can lyse the tumour cells, immunostimulatory cofactors also being required for efficient activation of cytotoxic Tlymphocytes (CTLs). Nucleic acid sequences identified using the SAGE tags have several potential uses. They may be used in vaccines to induce an immune response, particularly against a tumour antigen; to modulate the genotype of an APC; to screen for agents that modulate expression of diseases related to abnormal capression of these genes. Detection of the dendritic cell differentially expressed genes in expressed genes, or of their encoded proteins can be used to identify can be used in active immunocherapy (or to stimulate production of a population of antigen-specific effector cells) and vectors containing and containing and page and a persential and can be used in active immunocherapy can be used to antigen and antigen-specific effector cells) and vectors containing and containing and active immunocherapy can be used an engage and antigen specific effector cells and vectors containing and antigen minimater protects and antigen and antigen specific effector cells and engage cells 
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                                                                                                                                                                                                                                                                                                         Isolated polynucleotides differentially expressed in antigen-presenting cells, useful in gene vaccines against cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              them are used in gain therapy. Co-administration of tumour actigems APC-associated costimulatory factors ensures adequate antigen presentation to endogenous APCs and upregulates the APCs for the presentation of co-stimulatory signals, migration to T cell growth factors and secretion of chemokines for recruitment of immune effector cells
                                                                                                                                                                                                                                                                                                                                                                                                                             Sequences AAZ77573-Z79709 represent SAGE (serial analysis of gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Metastatic breast tumour cell downregulated transcript tag #3243.
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                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; Page 108; 130pp; English.
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98US-0090078P.
98US-0090079P.
98US-0090080P.
98US-0111715P.
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                                                                                                                                                                                                                 Roberts BL, Shankara S;
                                                                                                                      CORP.
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                                                                                                                                                               SHAN/) SHANKARA S.
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                                                                                                                   GENZYME
ROBERTS
                        19-JUN-1998;
19-JUN-1998;
08-DEC-1998;
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(ROBE/)
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that are preferentially transcribed in the metastatic breast tumour cells). AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts tumour cells). AAZ83942 to AAZ86677 represent tags corresponding to distinct transcripts that are preferentially transcribed in the primary or non-metastatic breast tumour cells). These tissue (i.e. are downregulated in metastatic breast tumour cells). These transcripts can be used for diagnosis, prognosis, monitoring and treatment of breast cancer, particularly where metastatic. Diagnosis is by standard immunoassays or hybridisation/amplification reactions. Compounds that modulate expression of the transcripts are potentially useful for treatment of (metastatic) breast cancer, while promoters from the transcripts are used to direct expression, in selected cell types, of e.g. therapeutic genes (also ribozymes or antisense sequences), particularly an antigen-encoding sequence for use in gene or cell-based vaccines, for diagnosing breast cancer and for raising specific antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic agents. Host cells that produce the polypeptides or as therapeutic and isolate populations of educated, antigen-specific immune effecter cells, e.g. cytotoxic T lymphocytes, and these used for adoptive
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                                                                                                                                                                                                                                                                                                                                                                                                                              Isolated polynucleotides differentially expressed between metastatic and non-metastatic breast cancer cells, useful for diagnosis, prevention and
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non-metastatic breast tumour tissue; gene therapy; anticancer; antimetastatic; vaccine; diagnosis; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Page 145; 219pp; English.
                                                                                                                                                                                  98US-0089853P.
98US-0089997P.
98US-0090039P.
98US-0090040P.
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ROBERTS B L.
SHANKARA S.
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Matches 8; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 ATGGATGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    treatment of cancer.
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                                                                                                                                                                                  19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
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                                                  Homo sapiens
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                                                                                                                                                                                                                                                                                        (GENZ )
(ROBE/)
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          Alzheimer-associated beta-amyloid binding protein; BRAB; mouse;
Leydig cell; differential display RT-PCR; DDRT-PCR;
short chain alcohol dehydrogenase; SCAD; testis; marker; spermatogenesis;
                                                                                                                                                                                                                                                                                                                                                                       This sequence represents decamer D24, which was used in a novel differential display RT-PCR (DDRT-PCR) method of detecting genes expressed in tissues, especially mutant tissue. RNA isolated from adult male w/ww azoospermic mutant mice testis was subjected to reverse transcription. 324 PCRs were performed on the resulting cDNA using 3 clamp primers (see Z3467-69) and variable decamer 5' primers D1-D26 (see AAZ34670-95). Differentially expressed clones were used as probes in northern hybridisation, and a novel gene product that was preferentially upregulated in w/ww mouse testis was identified and termed Alzheimerassociated beta-amyloid binding protein (ERAB, see AAZ32239)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Gaps
                                                                                                                                                                                                                                                                                                     Novel differential display reverse transcription PCR method used to detect genes expressed in mutant tissues.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Protein binding sequence; DNA binding factor; protein inactivation; protein selection; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 10;
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                                                                                                                                                                                                                                                 Jaehner D, Hansis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             40.0%; Score 8; DB 1
100.0%; Pred. No. 76;
iive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 26; 40pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Protein binding sequence BSN5-1
                                                                                                                                                                                                                                                 Balvers M,
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                                                                                                                                                                                           17-APR-1998;
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                                                                                                                                       28-OCT-1999
                                                       primer; 88
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                                                                               Synthetic.
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AAA61006/c
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Disclosure, Page 17; 71pp; English.
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                                                                                                                                                                                                                                                         The present sequence is a randomly generated binding site sequence, which has been shown to be similar to the sequence which binds to the Pit-1 transcription factor. This was used to demonstrate the invention, which comprises a method for simultaneously selecting those sequences which bind to different DNA-binding proteins. These sequences can then be analysed and used to identify other DNA-binding proteins, as well as being used to inactivate or specifically select particular proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Polynucleotide comprising novel single nucleotide polymorphisms in human interleukin-4 gene for use in studying expression, function of interleukin-4, in developing drugs, diagnosis and treatment of immune disorders.
                                                                                                                                                        Identifying and isolating binding proteins, and nucleotide recognition sequences for DNA-binding proteins by mixing oligonucleotide sequences comprising randomized internal sequences with a DNA-binding protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; interleukin-4; IL4; single nucleotide polymorphism; SNP; atopy; inflammatory disorder; immune disorder; population diversity; paternity test; forensic test; cytokine; chromosome 5q31.1; probe; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human IL4 allele-specific primer-extension oligo SEQ ID NO: 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; Length 10;
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100.0%; Pred. No. 76;
vative 0; Mismatches
                                                                                                    Weissman SM;
                                                                                                                                                                                                                              Example 3, Col 13; 26pp; English
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  97US-00906691
                             96US-00590571
97WO-US001230
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                                                                                                                                                                                                                                                                                                                                                                                                                                   8; Conservative
                                                                                                   Kulkarni P, Nallur GN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                12 CATGGATG 19
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                                                                                                                              WPI; 2000-421703/36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10 CATGGATG 3
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Best Local Similarity
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                                                                       (UYYA ) UNIV YALE
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                             24-JAN-1996;
24-JAN-1997;
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06-AUG-1997;
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The present invention describes an isolated DNA molecule comprising a coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned open reading frame; or nonannotated ORF) genes comprising a SAGE (serial analysis of gene expression) tag. Also described are: (1) a method (M1) of using NORF genes to affect the cell cycle comprising administering a NORF gene whose expression varies by at least 10% between any two phases of the cell cycle selected from log phase, S phase and G2/M; (2) a method (M2) for screening candidate antifungal drugs comprising: (a) contacting a test substance with a yeast antifungal drugs comprising: (a) contacting a test substance with a yeast cell; and (b) monitoring expression of a NORF gene whose expression of the yeast gene is a candidate antifungal drug; (3) a method (M3) for identifying human genes which a probe which comprises at least 10 contiguous nucleotides of a NORF gene whose expression varies as in M1;
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The present invention provides the protein, cDNA and gene of human interleukin-4 (IL4). The coding sequences for this protein contrain single nucleotide polymorphisms (SNPs) which may be associated with differences in susceptibility to atopy, inflammatory and immune diseases and different drug responses. They may also be used in applications such as foremsic and paternity testing and studying population diversity and anthropological lineage. The IL4 gene is found on human chromosome 5q31.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) tags, useful for studying, monitoring and affecting phases of the cell cycle.
                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Yeast, Saccharomyces cerevisiae; characterisation; cell cycle; NORF; nor previously assigned open reading frame; nonannotated ORF; SAGE; serial analysis of gene expression; antifungal; tag; identification;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:11970.
                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                      DB 1; Length 10; 76;
                                                                                                                                                                             Sequence 10 BP; 5 A; 2 C; 2 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                    40.0%; Score 8; DB 1
100.0%; Pred. No. 76;
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAF43831 standard; DNA; 10 BP.
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                                                                                                                                                                                                                                           Local Similarity 100.
nes 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Saccharomyces cerevisiae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linker; PCR primer; ds.
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                                                                                                                                                                                                                                                                                                                                                        8 CTCATGGT 1
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and (4) a method (M4) for identifying a candidate drug as a member of a class of drugs having a characteristic effect on gene expression in a west cell comprising contacting a yeast cell with a candidate drug and monitoring expression in the yeast cell of at least 1 NORF gene whose expression is affected by the class of drugs. The NORF genes may be used to study, monitor and affect phases of the cell cycle, the differentially expressed genes may be used as markers of phases of the cell cycle. The methods may be used as markers of phases of the cell cycle and for identification of antifungat drugs which affect the cell cycle and for identification of antifungal drugs. AAF33268 to AAF44064 represent SAGE tags used in the exemplification of the present invention. AAF33262 to AAF33267 represent linkers and PCR primars used in the SAGE method, in the exemplification of the present invention
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Sequence 10 BP; 2 A; 3 C; 2 G; 3 T; 0 U; 0 Other;

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                                Gaps
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0
                                0; Indels
         40.0%; Score 8; DB 1; Length 10;
                     100.0%; Pred. No. 76; ive 0; Mismatches
Ouery Match
Best Local Similarity 100...
Si Conservative
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6 TGGTCACA 13 9 regreaca 2 ઠે g AAF43028 standard; DNA; 10 BP.

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RESULT 147 AAF43028/

AAF43028;

Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:11167.

(first entry)

23-MAR-2001

Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF; nor previously assigned open reading frame; nonannotated ORF; SAGE; serial analysis of gene expression; antifungal; tag; identification; linker; PCR primer; ds.

Saccharomyces cerevisiae.

WO200077214-A2

21-DEC-2000

14-JUN-2000; 2000WO-US016223

99US-00335032. 16-JUN-1999;

(UYJO) UNIV JOHNS HOPKINS

Jelculescu V, Vogelstein B, Kinzler K;

WPI; 2001-061874/07.

Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) tags, useful for studying, monitoring and affecting phases of the cell cycle.

Example; Page 348; 419pp; English.

The present invention describes an isolated DNA molecule comprising a coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned open reading frame, to ronannotated ORF) genes comprising a SAGE (serial analysis of gene expression) tag. Also described are: (1) a method (M1) of using NORF genes to affect the cell cycle comprising administering a NORF gene whose expression varies by at least 10% between any two phases of the cell cycle selected from log phase, S phase and G2/M; (2) a method (M2) for screening candidate antifungal drugs comprising: (a) contacting a test substance with a yeast cell; and (b) monitoring expression of a NORF gene whose expression of the yeast gene is a candidate antifungal drug; (3) a method (M3) for

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comprising human genes which are involved in cell cycle progression comprising contacting human DNA with a probe which comprises at least 10 contiguous nucleotides of a NORF gene whose expression varies as in M1; and (4) a method (M4) for identifying a candidate drug as a member of a class of drugs having a characteristic effect on gene expression in a continuous proprising contacting a yeast cell with a candidate drug and monitoring expression in the yeast cell of at least 1 NORF gene whose expression is affected by the class of drugs. The NORF genes may be used contacting and arkers of phases of the cell cycle. The cutory, monitor and affect phases of the cell cycle. The control of the contaction of an arkers of phases of the cell cycle. The control of the contaction of an arkers of phases of the cell cycle. The cycle and for identification of antifungal drugs. AAP33268 to AAP44064 crepresent SAGE tags used in the exemplification of the present invention.

Characteristic and contaction of the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pain; analgesic; gene therapy; neurological disorder; neurodegenerative disease; primer; ss.
                                                                                                                                                                                                                                                               Sequence 10 BP; 2 A; 3 C; 2 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pain regulated gene related PCR primer Deka24.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABL88465;
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Identifying pain-regulating compounds, useful for treating chronic pain and for diagnosis, by measuring binding of compounds to specific peptides and proteins. Schaefer MK; Weihe E, Wnendt S, Gillen C, Wetzels I, WPI; 2002-257469/30.

03-AUG-2001; 2001WO-EP009011. 03-AUG-2000; 2000DE-01037759

WO200212338-A2

14-FEB-2002

(CHEF) GRUENENTHAL GMBH.

Example 1; Page 62; 213pp; German.

The invention relates to identifying pain-regulating substances (A) comprises (i) incubating a test substance with a cell (or preparation from it) that has synthesised a peptide or protein (B) and (ii) measuring either binding of the test substance to (B) or some functional parameter that is altered by this binding. The method is useful for identifying pain-regulating substances (A) with analgesic activity. (A) along with nucleic acid (ABL88411-ABL88441) that encode proteins (B, ABB8506-ABB85037) that interact with (A); (B); vectors containing the nucleic acid; antibodies against (B); cells that express (B) and agents that bind to (B), are all useful for treating pain, particularly chronic pain, including use in gene therapy. The same materials can also be used for

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ABL42924

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The present invention relates to novel single nucleotide polymorphisms ($NPs) in the human cholinergic receptor, muscarinic 4 (CHRM4) gene ($NPs) in chromosome lip12-p11.2, and methods for haplotyping and/or genotyping the CHRM4 gene. The methods of the invention make use of allele-specific oligonucleotides (ASOs) as probes and primers and/or primer-extension oligonucleotides for detecting the CHRM4 gene polymorphisms. The polymorphisms of diseases associated with CHRM4 activity, such as Alzheimer's disease and other neurological disorders. ABK92576-ABK92587 represent primer-extension oligonucleotides for detecting human CHRM4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            genetic variants of cholinergic receptor muscarinic 4 useful in ing expression and function of protein, and for screening drugs to diseases e.g. Alzheimer's disease and other neurological disorders
                                                               Primer-extension oligonucleotide #8 to detect human CHRM4 polymorphisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human, paraoxonase 1; PON1; single nucleotide polymorphism; transgenic; SNP; drug screening; organo-phosphorous metabolism; target validation; atherosclerosis; type II diabetes; gene therapy; antilipaemic; primer;
                                                                                                        Human; single nucleotide polymorphism; SNP; CHRM4; haplotyping;
chromosome 11p12-p11.2; cholinergic receptor muscarinic 4; genotyping;
Alzheimer's disease; neurological disorder; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kazemi A, Nandabalan K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 40.0%; Score 8; DB 1; Length 10; 100.0%; Pred. No. 76; 1. Indels 1. O. Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Denton RR, Duda A, Gilson CR,
                                                                                                                                                                                                                                                                                                                                                                                                                  (GENA-) GENAISSANCE PHARM INC
(PETE/) PETERSON N.
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                        20-AUG-2002, (first entry)
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                                                                                                                                                                                                  Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human maturation/activation dendritic cell expression gene tag #298.
diagnosis, e.g. of neurological and neurodegenerative diseases. The present sequence is that of a PCR primer, used in examples of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human, maturation/activation dendritic cell expression gene; tag;
maturation; activation; dendritic cell; ss.
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40.0%; Score 8; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 76;
Matches 8; Conservative 0; Mismatches 0; Indels
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                                                                                     Sequence 10 BP; 2 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
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100.0%; Pred. No. 76;
active 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                     ABL42924 standard; cDNA; 10 BP.
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Matches 8, Conservative
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                                             invention
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ABK92583/c
ID ABK9256
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AG ABK9256
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Tirrell C;

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Gaps

Parks KE;

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WO200266680-A1

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(PON1) gene. It also relates to the single nucleotide polymorphisms (SNP) in PON-1 gene. Polymorphic variants of the PON1 gene are useful in studying the expression and function of PON1, and in expressing PON1 proteins for use in screening candidate durys to treat diseases associated with PON1 activity, e.g. disorders of lipid and organophosphorous metabolism such as atherosclerosis or type II diabetes. They pair of an individual is useful for improving the efficiency and reliability of several steps including target validation, in the place of a discovery and development of drugs for treating diseases associated with PON1 activity. Transgenic animals are useful for studying expression of the PON1 isogenes in vivo. The present sequence is a primer used to detect human PON-1 gene polymorphisms
                                                                                                                                                                                                                                                 New genetic variants of human paraoxonase 1 (PON1) gene with polymorphisms, useful for treating disorders associated with PON1 isogene activity e.g. atherosclerosis or diabetes, or for screening drugs for
                                                                                                                                                                                                                                                                                                                                                                         The invention relates to methods for haplotyping human paraoxonase 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; 5-hydroxytryptamine receptor 5A; HTR5A; serotonin; primer; neuroprotective; neurological disease; depression; epilepsy; PCR; gene therapy; single nucleotide polymorphism; haplotype pair;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human HTR5A gene allele-specific oligonucleotide PCR primer #40.
                                                                                                                                                                 Nandabalan K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              40.0%; Score 8; DB 1; Length 10;
100.0%; Pred. No. 76;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                 Denton RR,
                                                                                                                                                                                                                                                                                                                                        Claim 17; Page 15; 118pp; English.
                                                                                                                                                                 Anastasio AE, Chew A, Choi JY,
Stephens JC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABK72438 standard; DNA; 10 BP
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                                                                 06-DEC-2001; 2001WO-US046896.
                                                                                                 16-FEB-2001; 2001WO-US005126.
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                                                                                                                                                                                                                                                                                                        reating these diseases.
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les 8; Conservat
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                               29-AUG-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Loc
Matches
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Gaps

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The invention relates to single nucleotide polymorphisms in the gene encoding human 5-hydroxytryptamine (serotonin) receptor 5A (HTR5A). A method for haplotyping the HTR5A gene in an individual comprises identifying the nucleotide at one or more polymorphic sites and determining whether one of the copies of the gene is defined by one of the HTR5A applotypes given in the specification or whether both copies are defined by a haplotype pair. This method is useful in genotyping, whereby all possible haplotype pairs can be assigned to specific genotypes. An association between a trait and a haplotype or haplotype pair in a population exhibiting the frequency of the haplotype pair in a population exhibiting the trait with the frequency of the haplotype or haplotype pair in a population of the frequency of the haplotype or haplotype pair in a reference complicated that is associated with the haplotype or haplotype pair. HTR5A and its corresponding DNA are used for studying the expression and function of HTR5A activity, such as neurological disorders, including depression and epilepsy. Sequences hBK72399-ABK7238 represent allele-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; pro-platelet basic protein; PPBP; metabolic disorder; immunological disorder; SNP; single nucleotide polymorphism; ss; immunomodulator; chromosome 4q12-13; primer extension oligonucleotide.
                                                                                                  Novel genetic variants of 5-Hydroxytryptamine (Serotonin) Receptor 5A isogenes, useful for improving efficiency and reliability in drug development for treating neurological diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human pro-platelet basic protein DNA primer extension oligo #12.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         40.0%; Score 8; DB 1; Length 10; 100.0%; Pred. No. 76; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 10 BP; 2 A; 3 C; 4 G; 1 T; 0 U; 0 Other;
                                    Tirrell C;
                                                                                                                                                                              Claim 19; Page 15; 134pp; English.
                                    Sanchis A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAL46123 standard; DNA; 10 BP.
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(GENA-) GENAISSANCE PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           chew A, Choi JY, Russo DP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-JUL-2002 (first entry)
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                                                                      WPI; 2002-393978/42.
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                                    Koshy B,
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      polymorphisms
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                                     Kazemi A,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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WPI; 2002-394352/42.

X4444X8X00000000000X8

New Pro-Platelet Basic Protein (PPBP) gene polymorphic variants, useful for studying the expression and function of PPBP and screening candidate drugs for treating disorders associated with PPBP activity, e.g. immunological disorders.

Claim 15; Page 13; 68pp; English.

The present invention provides the protein, cDNA and genomic sequences of human pro-platelet basic protein (PPBP) and single nucleotide polymorphisms (SNBs) identified therein. The polymorphic variants are useful in studying the expression and function of PPBP, in expressing PPBP protein for use in screening for candidate drugs to treat diseases related to PPBP activity, in studying the effect of the variation on the biological activity of PPBP, and the binding affinity of candidate drugs targeting PPBP for the treatment of disorders associated with PPBP activity, e.g. metabolic and immunological disorders. The present sequence is an allele specific primer extension oligonucleotide for the gene of the invention

Sequence 10 BP; 3 A; 2 C; 2 G; 3 T; 0 U; 0 Other;

Gaps DB 1; Length 10; 0; Indels 16; 40.0%; Score 8; DB 1 100.0%; Pred. No. 76; tive 0; Mismatches Best Local Similarity 100. Matches 8, Conservative Query Match

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7 GGTCACAT 14

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9 GGTCACAT 2

ABI99138,

ABI99138;

ABI99138 standard; DNA; 10 BP.

27-FEB-2002 (first entry)

Human PCDH2 ASO PCR primer SEQ ID NO 95

Human; PCDH2, protocadherin 2; haplotyping; polymorphic variant; SNP single nucleotide polymorphism; cytostatic; cancer; chromosome 5q31; allele-specific oligonucleotide; ASO; PCR primer; 88.

Homo sapiens

WO200194361-A2.

13-DEC-2001

06-JUN-2001; 2001WO-US018321.

06-JUN-2000; 2000US-0209564P

(GENA-) GENAISSANCE PHARM INC.

Tanguay DA; Kliem SE, Koshy B,

WPI; 2002-097928/13

comprising determining which of the haplotypes given in the specification defines one or both copies of the individual's pCDH2 gene. The polymorphisms are within a 30244 base pair sequence (ABA05413), fully defined in the specification. The polymorphic variants are useful in studying the expression and function of PCDH2, in expressing PCDH2 protocadharin 2 (PCDH2) polymorphic variants and encoding genes, ful in expressing PCDH2 protein for screening candidate drugs to treat diseases related to PCDH2 activity. Claim 18; Page 14; 127pp; English.

screening for the drugs and reducing bias in clinical trials of the

ö The invention relates to an isolated polynucleotide comprising a sequence which is a polymorphic variant of a reference sequence for the human smoothened Drosophila homologue (SMOH) gene or its fragment, or a polymorphic variant of a reference sequence for a SMOH eDNA or its fragment. A new isolated polypeptide is useful for screening for drugs targeting the polypeptide. A new method is useful for screening for drugs targeting the polypeptide. A new method is useful for identifying an association between a trait such as a clinical response to a drug methods have applicability in developing diagnostic testes and therapeutic treatments for basal cell carcinomas (BCCs). The isolated polynucleotide is useful for studying the expression and function of SMOH and expressing swOH pactivity. The polymorphism and haplotype data are useful for validating whether SMOH is a suitable target for drugs to treat BCCs. protein for use in screening for candidate drugs to treat diseases such as cancer, related to PCDH2 activity, in studying the effect of the variation on the biological activity of PCDH2 and the binding affinity of candidate drugs targeting PCDH2. The haplotyping methods are useful in validating PCDH2 as a candidate target for treating a specific condition or disease predicted to be associated with PCDH2 activity or in the design of clinical trials of candidate drugs for treating a specific condition or disease associated with PCDH2 activity. The present sequence is that of a PCDH2 allele-specific oligonucleotide (ASO) PCR primer of New genetic variants of smoothened Drosophila homolog (SMOH) gene useful for therapeutic purposes and for expressing SMOH protein useful in identifying drugs to treat basal cell carcinomas. Cytostatic; polymorphic variant; single nucleotide polymorphism; SMOH; human smoothened Drosophila homologue; basal cell carcinoma; BCC; gene therapy; PCR; primer; 88. Gapa ö 40.0%; Score 8; DB 1; Length 10; 100.0%; Pred. No. 76; 0; Mismatches 0; Indels EA; Lee HH, Sausker Sequence 10 BP; 2 A; 4 C; 2 G; 2 T; 0 U; 0 Other; SMOH polymorphism detecting primer SEQ ID No 115. Choi JY, Koshy B, Claim 17; Page 15; 179pp; English. 800/c AAL39800 standard; DNA; 10 BP. (GENA-) GENAISSANCE PHARM INC 04-OCT-2000; 2000US-0237871P. 04-OCT-2001; 2001WO-US031304. (first entry) Query Match
Best Local Similarity 100...
8; Conservative 6 TGGTCACA 13 ~ WPI; 2002-519113/55. TGGTCACA WO200229004-A2 Bentivegna SC, the invention Homo sapiens. 05-SEP-2002 11-APR-2002 AAL39800; RESULT 155 AAL39800/ 셤 ଚ

differential display reverse transcriptase PCR (DDRT-PCR). The present sequence is a DDRT-PCR primer used in the experiment.

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The new method, an oligonucleotide and kit of the invention are useful for determining whether an individual has one of the haplotypes or the haplotype pairs. The polynucleotides of the invention can be used to treat disorders by gene therapy and antisense gene therapy. This polynucleotide sequence represents a primer used for detecting human smoothened Drosophila homologue gene polymorphisms of the invention
The isolated polynucleotide is useful for therapeutic purposes
                                                                                                             0; Indels
                                                                                           DB 1; Length 10; 76;
                                                                         Sequence 10 BP; 4 A; 3 C; 1 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                       Mouse differential display RT-PCR primer #7.
                                                                                           40.0%; Score 8; DB ]
100.0%; Pred. No. 76;
ive 0; Mismatches
                                                                                                                                                                                                  ADD07256 standard; DNA; 10 BP
                                                                                                                                                                                                                                      (first entry)
                                                                                    Query Match
Best Local Similarity 100.0
                                                                                                                                12 CATGGATG 19
                                                                                                                                                  8 CATGGATG 1
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                                                                                                                                                                               RESULT 156
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Gaps ö

PCR; ss; interferon regulatory factor; IRP-1; IRF-2; herpes; antiviral; transcription factor; virucide; vaccine; interferon; mouse; primer; differential display; RT-PCR; reverse transcriptase PCR.

Mus musculus

JS2003104356-A1.

05-JUN-2003

26-MAR-2002; 2002US-00108164.

99US-00424348. 22-NOV-1999; (SMIK) SMITHKLINE BEECHAM CORP

Berger SL;

WPI; 2003-801223/75.

ıreatıng infection or reactivation caused by Herpes virus comprises using antagonist of Herpes Simplex virus polynucleotide sequence and interferon regulatory factor-1.

Example 3; SEQ ID NO 104; 53pp; English

The invention relates to treating viral infection or reactivation

Comprising contacting an individual with an antagonist of the interaction

Coewers a Herpes Simplex virus (HSV) polynocleotide sequence appearing as

Cheeween a Herpes Simplex virus (HSV) polynocleotide acquence appearing as

Choronocleotide comprising ADD07153, a composition comprising

a HSV polyneptide involved in viral infection or reactivation, screening

Compounds capable of inhibiting specific binding of IRF-1 to.a

Compounds capable of inhibiting specific binding of IRF-1 to.a

Compounds capable of inhibiting specific binding of IRF-1 to.a

Compounds capable of inhibiting specific binding of IRF-1 to.a

Compounds capable of inhibiting specific binding of IRF-1 to.a

Compounds capable of inhibiting specific binding of IRF-1 to.a

Compound of IRF-1 to IRF-1: IRF-BP (undefined) complex, a compound capable of specific regulatory pathway and a compound in IRF-1 and/or interferon

Compound or reactivation caused by Herpes virus, e.g., HSV-1 or HSV-2

Confidency and for cytomegalovirus, Epstein Barr virus and zoster virus

Confidency and compound in IRF-1 and/or interferon

Compound of reactivation caused by Herpes virus, and compound in IRF-1

Confidency and for cytomegalovirus, Epstein Barr virus and zoster virus

Confidency and vaccines. An experiment was performed where cDNA from the

Compound of the confidency and the compound of the compound

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The invention relates to an isolated nucleic acid (NI) comprising at least 20 but not more than 1500 consecutive nucleotides of the optineurin promoter appearing as ADE13890. Also included are the optineurin promoter operably linked to a heterologous nucleic acid, a nucleic acid capable of detecting a single nucleotide polymorphism (SNP) in the optineurin promoter, a host cell comprising the promoter operably linked to a heterologous sequence, diagnosing or prognosing glaucoma in a sample obtained from a cell or bodily fluid (comprising detecting a polymorphism in a promoter region of the optineurin gene, associated with a glaucoma in a parameter containing DNA, detecting the presence of an optineurin promoter sequence variation in a sample containing DNA, determining the presence or increased susceptibility to glaucoma or to a progressive ocular hypertensive containing the pregression of glaucoma in a patient, comprising providing an expected in a partient containing the variation within the optineurin promoter and amplifying the DNA) and detecting a polymorphism (comprising cheatining a sample containing human genomic DNA, providing a nucleic acid regolon containing human genomic DNA, providing a nucleic acid regolon containing human genomic DNA, providing a nucleic acid regolon containing human genomic DNA, providing a nucleic acid regolon containing human genomic DNA, providing a nucleic acid regolon containing human genomic DNA, providing a nucleic acid regolon containing human genomic DNA, providing a nucleic acid regolon containing human genomic DNA, providing a nucleic acid regolon containing human genomic DNA, providing a nucleic acid regolon containing human genomic DNA, providing and cell acid acid regolon containing human genomic DNA, providing and cell acid acid acid regolon containing human genomic DNA, providing and cell acid acid regolon containing human genomic DNA, providing and cell acid acid regolon containing a solutineut man optineut and analysis of containing a polymorphy and detecting a 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; optineurin; ds; ophthalmological; single nucleotide polymorphism; SNP; glaucoma; progressive ocular hypertensive disorder; glaucoma related disorder; motif; repeat element; regulatory region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New nucleic acid sequences of the optineurin gene are useful to detect polymorphisms particularly single nucleotide polymorphisms in the optineurin promoter to diagnose, prognose and treat glaucoma and related
                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Optineurin promoter motif, repeat element or regulatory region #34.
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                                                                                                                                                       0; Indels
                                                                                                           Length 10;
                                                               Seguence 10 BP; 2 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                           DB 1;
                                                                                                                       100.0%; Pred. No.
                                                                                                             Score 8; I
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                                                                                                                                                                                                                                                                                                                                                                         ADE13925 standard; DNA; 10 BP.
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                                                                                                             40.0%;
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                                                                                                                                                            8; Conservative
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                                                                                                                                                                                                                                  3 TCATGGTC 10
                                                                                                                                                                                                          3 TCATGGTC 10
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                                                                                                             Query Match
Best Local Similarity
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RAYMOND V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2003190617-A1
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(RAYM/) RAY
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                                                                                                                                                            Matches
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10 CATGGATG

(first entry)

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cytostatic; gene therapy; microarray; gene expression characteristic; haematopoietic cell; haematopoiesis; myeloid leukaemia; probe;
                                                                                                                                                            CD15+ myeloid cell associated probe seqid 102.
                                                                               ADL96204 standard; DNA; 10 BP.
                                                                                                                                                                                                                                                                                                                    23-DEC-2002; 2002US-00329465
                                                                                                                                                                                                                                                                                                                                                27-DEC-2001; 2001US-0343826P.
                                                                                                                                                                                                               CD15+ myeloid cell; ss.
                                                                                                                                                                                                                                                                   US2003165949-A1.
                                                                                                                                                                                                                                          Homo sapiens
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                                                                                                         ADL96204;
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(LEES/)
                                                     RESULT 159
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention comprises the amino acid and coding sequences of the human cholesteryl ester transfer protein (CETP), the invention also comprises polymorphisms identified within the CETP gene. The DNA and protein sequences of the invention are useful in haplotyping and/or genotyping the CETP gene in an individual. The DNA and protein sequences may also be used to screen drugs or compounds targeting the CETP or its variant to treat a condition or disease associated with CETP (e.g. atherosclerosis, cardiovascular disease or hypercholesterolaemia). The present DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New isolated polynucleotide useful for haplotyping and/or genotyping cholesteryl ester transfer protein (CETP) gene in an individual or in screening for drugs useful in treating diseases associated with CETP
                                                                                                                                                                                                                                                                                                                                                         single nucleotide polymorphism; SNP; drug screening; atherosclerosis; cardiovascular disease; hypercholesterolaemia; allele specific oligonucleotide; ss; extension PCR; primer.
                                                                                                                    Gaps
detecting the polymorphism). The invention is used to diagnose and prognose glaucoma and also to treat glaucoma related disorders. The present sequence is an optineurin promoter motif, repeat element or putative regulatory region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Parks KE;
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                                                                                          DB 1; Length 10;
                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                    Human CETP gene allele specific extension PCR primer #46
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                                                                 Sequence 10 BP; 2 A; 1 C; 4 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                human, cholesteryl ester transfer protein; CETP
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Tirrell C,
                                                                                                         76;
                                                                                         40.0%; Score 8; DB 1
100.0%; Pred. No. 76;
:ive 0; Mismatches
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ilarity 100.0%; Pred. No. 76;
Conservative 0; Mismatches
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Sausker EA,
                                                                                                                                                                                                                                       ADG98585 standard; DNA; 10 BP.
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                                                                                                      Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                              12 CATGGATG 19
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Petersen N, Rounds
                                                                                                                                                                       1 CATGGATG 8
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Matches 81 Conserv
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                                                                                           Query Match
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WANG S M.

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                                                                                                                                                                                                                                      New microarray for measuring gene expression characteristics of hematopoietic cells, useful for preparing a composition for diagnosing or treating myeloid leukemia.
                                                                                                                                                                                                                                                                                                                                                                                         The invention describes a microarray for measuring gene expression characteristics of haematopoietic cells comprising at least 5 bolynucleotides having distinct sequences. Also described are: a method of diagnosing or treating an abnormality associated with haematopoiesis, and diagnosing myeloid leukaemia in a patient. The microarray is useful for preparing a composition for diagnosing or treating myeloid leukaemia. This sequence represents a polynucleotide probe comprising a portion of an expressed gene isolated from a population of CDIS+ myeloid cells and suitable for use in the microarray of the invention.
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                                                                                                                                    Rowley JD;
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                                                                                                                                                                                                                                                                                                                                             Claim 1; SEQ ID NO 102; 32pp; English.
                                                                                                                                    Zhou G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADK72504 standard; DNA; 10 BP.
                                                                                                                                    Chen J,
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Best Local Similarity 100.
Matches 8; Conservative
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                                                                                                                                                                                     WPI; 2003-863699/80.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 ATGGATGA 9
                                                      (ZHOU/) ZHOU G.
(ROWL/) ROWLEY J D.
                                                                                                                                    Lee S,
LEE S.
CHEN J.
ZHOU G.
                                                                                                                                  Wang SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADK72504;
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AC ADK7
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Gaps

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                                                                                                                                                                                                                                                                           The invention relates to a novel method for detecting an individuals genetic disposition to schizophrenia by testing tissue from bodily fluid. The novel method involves detecting the pre Cinnamomun-camphora thorin gene or gene expressed product in the fluid that binds to oligonucleotide, or test substance. The method is useful for detecting tissue in a fluid obtained from a person suffering from schizophrenia. This polymucleotide sequence represents a primer used in the exemplification of the invention.
                                                                                                                                                                                                   Detecting tissue in fluid obtained from person suffering from schizophrenia, involves detecting pre Cinnamomum-camphora thorin gene or gene expressed product in fluid that binds to oligonucleotide or test
                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                          ξ*:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    se; primer; cytostatic; RNA interference; RNAi; gene silencing; antisense oligonucleotide inhibitor; cathepsin K inhibitor; cathepsin L inhibitor; cathepsin F inhibitor; metalloprotease 2 inhibitor; thrombospondin-2 antagonist; collagen antagonist; diagnosis; breast tissue; cancer.
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 Human pre Cinnamomum-camphora thorin related primer, AP27
                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                               40.0%; Score 8; DB 1; Length 10; 100.0%; Pred. No. 76; 0; Indels ive 0; Mismatches 0; Indels
                  schizophrenia; bodily fluid; detection;
pre Cinnamomum-camphora thorin gene; human; 88; primer.
                                                                                                                                                                                                                                                                                                                                                                            Sequence 10 BP; 2 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Breast cancer detection oligonucleotide #146.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (DAND ) DANA FARBER CANCER INST INC.
                                                                                                                                                                                                                                                          Example 1; Page 79; 47pp; Japanese.
                                                                                                                                                           (NIKO-) NIPPON KOTAI KENKYUSHO KK.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADS76364 standard; DNA; 10 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-MAR-2003; 2003US-0456735P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-MAR-2004; 2004WO-US008866
                                                                                                                                      27-JUN-2002; 2002JP-00188221
                                                                                                                  27-JUN-2002; 2002JP-00188221
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                                                                                                                                                                                                                                                                                                                                                                                                                      8; Conservative
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Matches 8; Conserv
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                                                                         JP2004024174-A
                                                     Unidentified.
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                                                                                             29-JAN-2004
                                                                                                                                                                                                                                       substance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADS76364;
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ADS76364
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                                                                                                                                                                                                                                                                                                                                 The invention relates to a method of diagnosis (M1) comprising: (a) providing a test sample of breast tissue; (b) determining the level of expression in the test sample of a gene (e.g. interleukin-8, superoxide dismutase 2 and tubulin, alpha 3) selected from Table 1 given in the specification, and (c) if the gene is expressed in the test sample at a lower level than in a control normal breast tissue sample, diagnosing the test sample as containing cancer cells. The method is used for diagnosing breast cancer. This sequence corresponds to an oligonucleotide primer
                                                                                                             Diagnosing breast cancer comprises determining expression levels of a gene selected from those differentially expressed in normal or cancerous cells of a breast tissue sample including interleukin 1, thrombospondin 1 and cystatin C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Identifying genes involved in skin stress and aging, useful e.g. in screening for cosmetic or therapeutic agents, based on differential gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
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100.0%; Pred. No. 76;
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                                                                                                                                                                                                                                                                                   Example 2; SEQ ID NO 146; 149pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              used in the method of the invention.
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   Allinen M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABQ87571 standard; cDNA; 11 BP.
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Best Local Similarity 100.
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   Porter D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13 ATGGATGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2002-528865/56
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Polyak K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABQ87571;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 162
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useful for: identifying markers of skin ageing and/or stress; determining skin ageing and/or etress; and identifying or determining the effects of pharmaceutical or cosmetic agents for control of skin ageing. The present sequence is one of a group of human skin ageing/stress related expressed sequence tags (ABQ86246-ABQ87680) of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human, skin, dermatological, vulnerary, antipsoriatic, antiseborrhaeic,
immunosuppressive, antiinflammatory, cytostatic, SAGE, neurodermatitis,
psoriasis, dermatitis, skin cancer, EST, expressed sequence tag, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        In vitro identification of skin-expressed genes, useful for determining homeostasis and identifying cosmetic or pharmaceutical agents against
                                                                                                                                                                                           Gaps
                                                                                                                                                                                           ;
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                                                                                                                                                  40.0%; Score 8; DB 1; Length 11; 100.0%; Pred. No. 86; 0; Mismatches 0; Indels
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                                                                                                                Sequence 11 BP; 5 A; 1 C; 3 G; 2 T; 0 U; 0 Other;
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                                                                                                                                                    Query Match
Best Local Similarity 100.(
Matches 8; Conservative
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                                                                                                                                                                                                                                 13 ATGGATGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human skin EST 5133
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                       ABV67347;
                                                                                                                                                                                                                                                                                                                        RESULT 163
ABV67347/C
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ABQ78717-38 represent rRNA gene fragments, which were aligned to enable designing of probes of the invention. The specification describes probes specific for Encephalitozoon hellem, B. cuniculi and B. intestinalis. The probes hybridise to the 16S rRNA gene, and have a marker attached to then. The probes are able to hybridize with mRNA of one species of genus are useful for detecting the presence of Encephalitozoon mitroacon the presence of Encephalitozoon microorganisms. The probes are useful Encephalitozoon hellem, Encephalitozoon cuniculi and Encephalitozoon intestinalis in drinking water
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New Probe for detecting Encephalitozoon protozoans e.g. Encephalitozoon cuniculi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human, oestrogen receptor alpha; ESR-alpha; ER; chromosome 6; Syne-2; synaptic nuclei expressed gene 2; haplotype; cytostatic; osteopathic; cardiant; vasotropic; gene therapy; vaccine; cancer; osteoporosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                                                                                                                                 Nucleotide sequence of a microsporidial rRNA gene fragment.
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                                                                                                                                                                                                                                Encephalitozoon microorganism; drinking water; rRNA; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hester JD, Lindquist HDA, Schaefer FW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 6; 9pp; English.
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                                                                                                 ABQ78730 standard; RNA; 11 BP.
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                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                              (HEST/) HESTER J D.
(LIND/) LINDQUIST H D A.
(SCHA/) SCHAEFER F W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10
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11 TGGTCACA
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                                                                                                                                ABQ78730;
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                                                                 RESULT 164
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/ Match 40.0%; Score 8; DB 1; Length 11; Local Similarity 100.0%; Pred. No. 86; 6; Conservative 0; Mismatches 0; Indels

Query Match

6 TGGTCACA 13

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receptor; SNP;

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present invention
                 WO200162969-A2
     Homo sapiens
                                                                                                                            11-FEB-2002
                     30-AUG-2001
        Key
variation
                                                                                                        12
                                                                                                                        ABA89900;
                                                                                                                 RESULT 166
                                                                                                                   ABA89900
XXEXEXEX CX C
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ABK99375 BXBXBXB à containing of ligonarders. (a) the amino acid sequence of a variant of the oestrogen receptor alpha (ESR-alpha) protein in AAG68251; or (b) a fragment comprising at least 10 contiguous amino acids of the protein in AAG68251; or (b) a fragment comprising at least 10 contiguous amino acids of the protein in AAG68251. (1) has cytostatic, osteopathic, cardiant and vascropic activities, and can be used in gene therapy and vaccine production. (l) is useful for identifying an agent that binds to (1), by contacting (1) with an agent and assaying the contacted mixture to determine whether a complex is formed with the agent bound to the peptide. A polymucleotide (II), encoding (1), is useful in the mediated/modulated by an oestrogen receptor (ER). (II) is also useful in gene therapy for treating cancer, osteoporosis and cardiovascular gene therapy for treating cancer, osteoporosis and cardiovascular characters. The human ESR-alpha gene is located on chromosome 6. ABA89869 to charactering cancer by the care alocated on chromosome 6. ABA89869 contactining oligonucleotides, which are used in an example from the ö The present invention describes an isolated peptide (I) consisting of an Novel variant of estrogen receptor alpha polypeptide useful for determining the biological activity of a protein for high throughput screening and for raising antibodies that elicit an immune response in Human; oestrogen receptor alpha; ESR-alpha; ER; chromosome 6; Syne-2; Gaps /standard name= "single nucleotide polymorphism" .. ESR-alpha gene Liverpool clinical tissue sample SNP oligo #32. 40.0%; Score 8; DB 1; Length 11; 100.0%; Pred. No. 86; 0; Indels Seguence 11 BP; 4 A; 1 C; 4 G; 2 T; 0 U; 0 Other; Winn-Deen ES; 100.0%; Pred. Claim 17; Fig. 2b sheet 2; 333pp; English. Location/Qualifiers replace(6,G) caralovascular disease; oestrogen single nucleotide polymorphism; ds Hwang SS, ABA89900 standard; DNA; 11 BP 22-FEB-2000; 2000US-0183756P. 20-OCT-2000; 2000US-00692414. 24-JAN-2001; 2001US-00768184. 20-FEB-2001; 2001WO-US005358 (first entry) Query Match Best Local Similarity luv. 8, Conservative Kalush F, Cassel MJ, CATGGATG 19 WPI; 2002-041152/05. CATGGATG 8 PEKE) PE CORP NY

Human CYP3A5 gene polymorphic reference DNA sequence #15. ABK99375 standard; DNA; 11 BP. 21-OCT-2002 (first entry) Query Match Best Local Similarity 100... 8; Conservative 12 CATGGATG 19 1 CATGGATG ABK99375; RESULT 167

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amino acid sequence selected from: abstrace performed:

amino acid sequence selected from: (a) the amino acid sequence of a variant of the oestrogen receptor alpha (ESR-alpha) protein in AAG68251;

or (b) a fragment comprising at least 10 contiguous amino acids of the protein in AAG68251. (I) has cytostatic, osteopathic, cardiant and candrotting (1) is useful for identifying an agent that binds to (1), by contacting (1) with an agent and assaying the contacted mixture to centracting (1) with an agent and assaying the contacted mixture to peptide. A polynucleotide (II), encoding (1), is useful in the complex is formed with the agent bound to the mediated/modulated by an oestrogen receptor (ER). (II) is also useful in the complex of disagnostics and therapies for diseases and disorders and classases. The human ESR-alpha gene is located on chromosome 6. ABA89869 (c) containing oligonucleotides, which are used in an example from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention describes an isolated peptide (I) consisting of an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel variant of estrogen receptor alpha polypeptide useful for determining the biological activity of a protein for high throughput screening and for raising antibodies that elicit an immune response in
synaptic nuclei expressed gene 2; haplotype; cytostatic; osteopathic; cardiant; vasotropic; gene therapy; vaccine; cancer; osteoporosis; cardiovascular disease; oestrogen receptor; SNP; single nucleotide polymorphism; ds.
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                                                                                                                                                                                                 /standard_name= "single_nucleotide_polymorphism"
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100.0%; Pred. No. 86;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 11 BP; 4 A; 1 C; 4 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hwang SS, Winn-Deen ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 17; Fig 2a sheet 2; 333pp; English.
                                                                                                                                      Location/Qualifiers replace(6,G)
                                                                                                                                                                                                                                                                                                                                                     22-FEB-2000; 2000US-0183756P.
20-OCT-2000; 2000US-00692414.
24-JAN-2001; 2001US-00768184.
                                                                                                                                                                                                                                                                                                                   20-FEB-2001; 2001WO-US005358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kalush F, Cassel MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-041152/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                       (PEKE ) PE CORP NY.
                                                                                                                                                                                                                                          WO200162969-A2
                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                              30-AUG-2001
                                                                                                                                                            variation
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Novel CYP3A5 polynucleotide useful for diagnosis and treatment of cancer, cardiovascular diseases, diabetes and AIDS, and for identifying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to a new CYP3A5 polynucleotide encoding a polypoptide, where the polynucleotide is capable of hybridising to a identifying a invention is useful in an in vitro method for diagnosing a polymorphism. The invention is also useful for useful for diagnosing a disorder related to the presence of a molecular variant of a CYP3A5 or susceptibility to such a disorder, where the disorder is cancer, or diseases including cardiovascular diseases, diabetes and AIDS. The invention can further be used for the preparation of a diagnostic composition for diagnosing a disease in a subject having a genome comprising a variant allele of the CYP3A5 gene, where the subject is an African American. The molecules of the invention are as forensic markers and in pharmacological studies. The present nucleic acid sequence in expresents a human CYP3A5 gene polymorphism reference DNA sequence, as
               Human, CYP3A5, polymorphism; cancer, cardiovascular disease, diabetes,
AIDS, African American; forensic marker; pharmacological, cytostatic,
antidiabetic; anti-HIV; gene therapy, ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 11 BP; 4 A; 2 C; 3 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                (EPID-) EPIDAUROS BIOTECHNOLOGIE AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 2; Page 48; 138pp; English.
                                                                                                                                                                                                                                                                                                                                                                                  Wojnowski L, Haberl M, Hustert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABK99363 standard; DNA; 11 BP.
                                                                                                                                                                                                                               2000US-0258684P.
2000US-0258952P.
2001EP-00100172.
                                                                                                                                                                                 21-DEC-2001; 2001WO-EP015290
                                                                                                                                                                                                                                                                                                               16-AUG-2001; 2001US-0312825P
                                                                                                                                                                                                                                                                                 2001US-0262859P
                                                                                                                                                                                                                                                                                                  2001EP-00118884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 represents a human CYP3A5 c
described in the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21-OCT-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10 CACATGGA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 CACATGGA 11
                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-583628/62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                WO200253775-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   polymorphisms.
                                                                                                                                                                                                                             28-DEC-2000;
29-DEC-2000;
16-JAN-2001;
18-JAN-2001;
16-AUG-2001;
                                                                                   Homo sapiens.
                                                                                                                                                                                                                 28-DEC-2000;
                                                                                                                                                 11-JUL-2002
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The present invention relates to a new CYP3A5 polynucleotide encoding a polypeptide, where the polynucleotide is capable of hybridising to a CYP3A5 gene. The invention is useful in an in vitro method for dientifying a polymorphism. The invention is also useful for useful for diagnosing a disorder related to the presence of a molecular variant of a CYP3A5 or susceptibility to such a disorder, where the disorder is cancer, or diseases including cardiovascher, where the disorder is composition for diagnosing a disease in a subject having a genome composition for diagnosing a disease in a subject having a genome composition a variant allele of the CYP3A5 gene, where the subject is an African American. The molecules of the invention are as forensic markers and in pharmacological studies. The present nucleic acid sequence
                                                                                                                                                                                                                                                                                                                                                                      Novel CYP3AS polynucleotide useful for diagnosis and treatment of cancer, cardiovascular diseases, diabetes and AIDS, and for identifying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pain transmission, primary sensory neuron, transcription factor, detection, MZF1; NFKappaB; NFAT; GATA1; sensitivity disorder; analgesia; hypalgesia; hypalgesia; meuralgia; myalgia; murine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          represents a human CYP3A5 gene polymorphism reference DNA sequence, as described in the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        40.0%; Score 8; DB 1; Length 11;
100.0%; Pred. No. 86;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ds; VR1 receptor; vanilloid receptor type 1; modulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Seguence 11 BP; 4 A; 2 C; 1 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                    (EPID-) EPIDAUROS BIOTECHNOLOGIE AG.
                                                                                                                                                                                                                                                                                                     Hustert E;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 2; Page 48; 138pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADQ30150 standard; DNA; 11 BP.
                                                                                                                                                                                 16-JAN-2001; 2001EP-00100172.
18-JAN-2001; 2001US-0262859P.
16-AUG-2001; 2001US-03118884.
16-AUG-2001; 2001US-0312825P.
                                                                                                                                                2000US-0258684P.
2000US-0258952P.
                                                                                               21-DEC-2001; 2001WO-EP015290.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wojnowski L, Haberl M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11 ACATGGAT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8 ACATGGAT 1
                                                                                                                                                                                                                                                                                                                                     WPI; 2002-583628/62.
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                               WO200253775-A2
                                                                                                                                                                                                                                                                                                                                                                                                       polymorphisms.
Homo sapiens.
                                                                                                                                                28-DEC-2000;
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                                                                11-JUL-2002
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Gaps . 0

40.0%; Score 8; DB 1; Length 11; 100.0%; Pred. No. 86; 0; Mismatches 0; Indels

Human, CYP3A5; polymorphism; cancer; cardiovascular disease; diabetes; AIDS; African American; forensic marker; pharmacological; cytostatic; antidiabetic; anti-HIV; gene therapy; ds.

Human CYP3A5 gene polymorphic reference DNA sequence #9

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ss; haplotype mapping; SNP detection; tumor; cytostatic; neoplasm; mumune disorder; cardiovascular disease; metabolic disorder; respiratory disease; musculoskeletal disease; renal disease; nephrotropic; endocrine disease; genitourinary disease.
                                                                                                                                                                                                                                                                                                                                                                                                    Human SNP detection related oligonucelotide #264.
                                                                                                                                                                                                                                                                                                                                                                 ADZ23297 standard; DNA; 11 BP.
                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                    5 ATGGTCAC 12
                                                                                                                                                                                                                                                                                                 Local Similarity
tes 8; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO2005030952-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                          16-JUN-2005
                                                                                                                                                                                                                                                                                                                                                                             ADZ23297;
                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                    RESULT 170
ADZ23297
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Matches
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Analyzing haplotype, by detecting polymorphism in drug-related genes, electing common polymorphism (CP), building haplotype block using CP, specifying CP within block, specifying tag polymorphism from CP within
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 264; 1290pp; Japanese.
                                                                                                                        30-SEP-2003; 2003JP-00342519.
28-MAY-2004; 2004JP-00158717.
                                                                         30-SEP-2004; 2004WO-JP014784
                                                                                                                                                                                                       RIKEN KK.
STAGEN CO LTD.
SEKINE A.
                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2005-305936/31
                                                                                                                                                                                                                                                                                                                                                                    Sekine A, Iida A,
                                                                                                                                                                                                    (RIKE ) RIKEN KK.
(STAG-) STAGEN CO
(SEKI/) SEKINE A.
(IIDA/) IIDA A.
(SAIT/) SAITO S.
                   07-APR-2005.
rints invention ussettibes a mover indicate concentrally a speciator segment having at least one region that modulates expression of the VRI (vanilloid receptor type 1) receptor, or a functional derivative, allele or frangment of this region, or a sequence that hybridises to it under standard conditions. The VRI modulator is derived from one or more of positions 221331-22334 of Genbank AL670399, 31673-36359 of AL663116, or 4731-43231 or 36616-33151 of AR168787 and is involved in transmission of describes a vector that contains the VRI modulator, host cells containing the world than human germ or embryonal stem cells) and a method tor modulating expression of the VRI receptor by introducing the modulator or the vector into a cell that contains the VRI gene. The products of the invention are used for detecting a transcription factor from its binding to a regulatory sequence (or a double-stranded colsonicated with overexpression or underexpression of the transcription associated with overexpression or underexpression of the transcription and expending site for a transcription factor. Captonian site for a transcription or vectors containing them, are used for paracon, eagured to the containing them.

Calganulator or the weekpression or underexpression of the transcription captor. The region that modulates VRI receptor expression in the containing them, care used for prevention or treatment of pain, also for treatming them, care used for prevention or treatment of pain, also for treatming them, care used so the invention.
                                                                                                                                                                                                                                                                                                               New nucleic acid that modulates expression of the vanilloid receptor-1, useful for control of pain or sensitivity disorders, comprises sequences from control regions of the receptor gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sensitivity disorders, e.g. analgesia, hypalgesia or hyperalgesia, also neuralgia and myalgia, that are associated with activity of the VR1 receptor. This sequence represents a fragment of murine VR1 exon 1d DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This invention describes a novel nucleic acid containing a specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          40.0%; Score 8; DB 1; Length 11; 100.0%; Pred. No. 86;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     which is capable of binding to a transcription factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 11 BP; 3 A; 2 C; 4 G; 2 T; 0 U; 0 Other;
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                                                                                                                                                                                                               Schaefer MKH;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 49; 68pp; German
                                                        01-DEC-2003; 2003WO-EP013522.
                                                                                                          09-DEC-2002; 2002DE-01057421
                                                                                                                                                             (CHEF ) GRUENENTHAL GMBH.
                                                                                                                                                                                                               Weihe E, Bieller A,
                                                                                                                                                                                                                                                               WPI; 2004-468868/44.
24-JUN-2004.
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Saito S, Nakamura Y, Kamatani N;

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The invention relates to a method of analyzing haplotype, by detecting gene polymorphism in drug-related genes such as aryl acetylamine varialkylamine N-acetyl transferace or Arp-binding cassette, cub-family A (ABC1), member 1. The method is useful for analyzing sub-family A (ABC1), member 1. The method is useful for analyzing configuration or a foreign meterial, for selecting medicine for preventing or treating diseases, for selecting medicine for preventing or treating diseases, for analyzing a drug conficine for preventing or treating a disease, for analyzing a drug conficine for preventing or treating a disease, for analyzing a drug conficine for preventing or treating disease, for analyzing a drug conficine for preventing or treating disease, for analyzing a drug conficine for preventing or treating disease, for analyzing a drug conficine malignant tumor, immune disorder circulatory disease. The diseases include malignant tumor, immune disorder circulatory disease, metabolic disease. The method enables analysis of the individual differences creating each single nucleotide polymorphism. The present sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Steroid; anticancer; antitumour; cytotoxic; duplex; linker; multiple drug resistance; MDR; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                   represents a human SNP detection related oligonucelotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    40.0%; Score 8; DB 1; Length 11; 100.0%; Pred. No. 86;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 11 BP; 3 A; 3 C; 2 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 40.0%; Score 8; UB 1
Best Local Similarity 100.0%; Pred. No. 86;
Matches 8; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAX32604;
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Gaps

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0; Indels

27-FEB-1995;

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New oligonucleotides are disclosed which are 8-18 nucleotides in length and which have a steroid structure attached to the 3'-end through a linker attached to the A-ring of the steroid skeleton. In particular, the present sequence has a cholesterol moiety attached by its A-ring to to the 3'-phosphate through a carbonyl group attached by its A-ring to to the 3'-phosphate through a carbonyl group attached to the ring nitrogen of a moiety derived from 4-hydroxymethyl- pyrrolidine. The oligonucleotides form stable duplexes at physiological temperature and have selective cytotoxic activity against certain tumour cell lines, including some with multiple drug resistance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wound healing; non-MRL healer mouse; quantitative trait locus; QTL; healing response; microsatellite marker; treatment; central nerve; peripheral nerve; nerve injury; SAGE tag; murine; ss.
                                                                                                                                    New stable oligo:nucleotide duplex with 3'-steroid gp - including intramolecular duplex with hairpin loop region, having selective cytotoxicity against some tumour cells.
                                                                                                                                                                                                                                                                                                                                                                                                                             ..
                                                                                  Zhou JH;
                                                                                                                                                                                                                                                                                                                                                                                           Score 7.8; DB 1; Length 11;
Pred. No. 93;
                                                                                                                                                                                                                                                                                                                                                                                                                            2; Indels
                                                                                  Reed MW,
                                                                                                                                                                                                                                                                                                                                                                     Sequence 11 BP; 3 A; 3 C; 4 G; 1 T; 0 U; 0 Other;
                                                                                  Pai BS,
                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                               Disclosure; Page 46; 107pp; English.
                                                                                  Meyer RB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ18893 standard, DNA; 11 BP.
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98US-0097937P.
98US-0102051P.
              94US-00202927.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Murine MRL SAGE tag 1931794.
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                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 81.0
Best Local Similarity
Conservative
                                                                                Chang Y, Lukhtanov EA,
                                       (MICR-) MICROPROBE CORP (UYYA ) UNIV YALE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        10 CACATGGATGA 20
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                                                                                                            WPI; 1995-311501/40.
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              28-FEB-1994;
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28-SEP-1998;
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New mammalian model for enhanced wound healing - useful for identifying enhanced wound healing genes.

WPI, 1999-494533/41

Heber-Katz E;

Claim 13, Page 72, 136pp; English

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Gaps

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one quantitative trait locus selected from those given in the specification, exhibiting an enhanced healing response to a wound compared to mice (m) without the locus. The invention describes a novel method of identifying a gene involved in enhanced wound healing by identifying DNA microsatellite markers which can distinguish healer mice from non-healer mice and identifying microsatellite markers which each non-healer mice and identifying microsatellite markers which especially charkers which enhanced wound healing in progeny of the mice, where a chromosomal locus containing at least one enhanced wound healing gene is identified. A method of treating a wound in a mammal is also disclosed. The new methods are useful for treating wounds, especially central and peripheral nerve wound. The methods of the invention are useful for restoring function after nerve injury in a mammal. (M) is useful as a mammalian model of enhanced wound healing, useful for identifying genes cand gene products involved in enhanced wound healing, and to provide methods for wound healing. AAZIS61-Z19036 represent murine SAGE tags from C57BL/6 and MRL mice which are used to illustrate the method of the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This invention describes a novel non-MRL healer mouse (M) having at least one quantitative trait locus selected from those given in the specification, exhibiting an enhanced healing response to a wound compared to mice (m) without the locus. The invention describes a novel method of identifying a gene involved in enhanced wound healing by
                    This invention describes a novel non-MRL healer mouse (M) having at least
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New mammalian model for enhanced wound healing - useful for identifying enhanced wound healing genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Wound healing; non-MRL healer mouse; quantitative trait locus; QTL; healing response; microsatellite marker; treatment; central nerve; peripheral nerve; nerve injury; SAGE tag; murine; ss.
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                    39.0%; Score 7.8; DB 1; Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Indels
                                                                                                                                                                                                                                                                                                                                                                                             Sequence 11 BP; 2 A; 5 C; 2 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. 93;
0; Mismatches
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98US-0097937P.
98US-0102051P.
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Matches 9; Conservative
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28-SEP-1998;
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(HENK ) HENKEL KGAA
                                                                                                         Human skin EST 4964
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Matches 9; Conserv
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                                                                                                                                   WO200253774-A2.
                                                                                                                                                                   Petersohn D,
                                                                                                                             Homo sapiens
                                                                                                   21-OCT-2002
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                                                                               RESULT 174
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The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression (SAGE) so as to identify skin-expressed genes and quantify their expression.

(M1) is useful for identifying genes involved in skin homeostasis; to determine skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus; rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag
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Pred. No. 93;
0; Mismatches 2; Indels
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                                Sequence 11 BP; 3 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
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Pred. No. 9
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                                                                                                                                                                                                                                                                                                                                                                           ABV62315 standard; cDNA; 11 BP.
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Local Similarity 81.8%;
es 9; Conservative
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Best Local Similarity 81.8
Matches 9; Conservative
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identifying DNA microsatellite markers which can distinguish healer mice from non-healer mice and identifying microsatellite markers which espergedte with enhanced wound healing in progeny of the mice, where a chromosomal locus containing at least one enhanced wound healing upon the incompleted. A method of treating a wound in a mammal is also disclosed. The new methods are useful for treating wounds, especially central and peripheral nerve wound. The methods of the invention are useful for restoring function after nerve injury in a mammal. (M) is useful as a mammalian model of enhanced wound healing, useful for identifying genes and gene products involved in enhanced wound healing, and to provide methods for wound healing. AAZIB691-Z19036 represent murine SAGE tags from C57BL/6 and MRL mice which are used to illustrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        In vitro identification of skin-expressed genes, useful for determining homeostasis and identifying cosmetic or pharmaceutical agents against
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llarity 81.8%; Pred. No. 93;
Conservative 0; Mismatches
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The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression (SAGE) so as to identify skin-expressed genes and quantify their expression. (M1) is useful for identifying genes involved in skin homeostasis, to promotes skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis, scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus; rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag (EST) of the invention
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81.8%; Pred. No. 93;
:ive 0; Mismatches
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Best Local Similarity 81.8
Matches 9; Conservative
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  Homo sapiens.
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(M1) is useful for identifying genes involved in skin homeostasis; to promotes skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus; rosaces; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag
                                                                                                                                                                                           Human; skin; dermatological; vulnerary; antipsoriatic; antiseborrhaeic;
immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
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                  ABV66218 standard; cDNA; 11 BP.
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                                                                                                                                                     Human skin EST 4004
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Matches 9: Conserv
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                                                                                                       21-OCT-2002
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                                                             ABV66218;
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ABV64369

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The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression (SAGE) so as to identify skin-expressed genes and quantify their expression.
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       WPI; 2002-590638/63
                                         e.g. skin cancer.
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determine skin homeostasis and to test agent (A) that maintains or determine skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus; schosacea, melanoma; basal cell carcinoma, and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag
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(M1) is useful for identifying genes involved in skin homeostasis; to determine skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin expension of standarditically neurodermatitis; subburn; psoriasis; scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erychematosus; rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag
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81.8%;
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Best Local Similarity 81.8
Matches 9; Conservative
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                                                                                    In vitro identification of skin-expressed genes, useful for determining homeostasis and identifying cosmetic or pharmaceutical agents against
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Pred. No. 93;
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81.8%;
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DB 1; Length 11;

Score 7.8; DE Pred. No. 93;

39.0%; 81.8%;

Query Match Best Local Similarity

Sequence 11 BP; 3 A; 3 C; 3 G; 2 T; 0 U; 0 Other;

of the invention

Conradt M,

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The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression (SAGE) so as to identify skin-expressed genes and quantify their expression. (M1) is useful for identifying genes involved in skin homeostasis; to promotes skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus; soasces, melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag
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immunosuppressive, antiinflammatory, cytostatic, SAGE, neurodermatitis,
psoriasis, dermatitis, skin cancer, EST, expressed sequence tag, ss.
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Indels
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Mismatches
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9, Conservative
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Best Local Similarity
Matches 9, Conserv
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Matches
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The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression (SAGE) so as to identify skin-expressed genes and quantify their expression (GAGE) (M1) is useful for identifying genes involved in skin homeostasis; to determine skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; inchthyosis; atopic dermatitis, anner, seborrhea; lupus erythematosus; rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag
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                               Human skin EST 5393
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Conradt M,

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The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically seconded from skin, to serial analysis of gene expression (SAGE) so as to identify skin-expressed genes and quantify their expression. (M1) is useful for identifying genes involved in skin homeostasis; to promotes skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; inchthyosis, atopic dermatitis, acne, seborrhea; lupus expressedsus rosacca, melanoma; basal cell carcinoma; and carcinoma or, sarcoma of the skin. The present sequence is that of a human expressed sequence tag
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             20-DEC-2001; 2001WO-EP015179.
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                                                                                                                                                                                                              e.g. skin cancer.
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                                                                                                             Petersohn D,
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The invention relates to in vitro identification (M1) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression (SAGE) so as to identify skin-expressed genes and quantify their expression. (M1) is useful for identifying genes involved in skin homeostasis; to determine skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
                                                                                                                                                                                                                                                                                                                             disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma; ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus; rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the skin. The present sequence is that of a human expressed sequence tag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; skin; dermatological; vulnerary; antipsoriatic; antiseborrhaeic; immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis; psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
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                                                                                                                The invention relates to in vitro identification (MI) of genes expressed in the skin of humans or animals by subjecting a mixture of genetically encoded factors from skin, to serial analysis of gene expression (SAGE) so as to identify skin.-expressed genes and quantify their expression. (MI) is useful for identifying genes involved in skin homeostasis; to determine skin homeostasis and to test agent (A) that maintains or promotes skin homeostasis or that can be used for treating skin in the second of 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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Pred. No. 93;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seguence 11 BP; 4 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
                                                                Disclosure; Page 124; 1345pp; German.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    39.0%;
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Best Local Similarity 81.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 TGGTCACATGG 16
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e.g. skin cancer
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Gaps

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2; Indels

0; Mismatches

Conservative CATGGTCACAT 14 CATCGTTACAT 11 BP

(first entry)

Score 7.8; DB 1; Length 11; Pred. No. 93;

39.0%;

of the invention

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Hofmann K;

Conradt M,

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ADA44629/ ID ADA4

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Screening human for Rett syndrome comprises detecting mutation in nucleic acid sequence encoding methyl-CpG-binding protein 2 (MECP2).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      neurodevelopmental diseases such as Rett syndrome, autism, non-syndromic mental retardation, idiopathic neonatal encephalopathy idiopathic infantile spasms, idiopathic cerebral palsy, Angelman syndrome and schizophrenia. The present sequence represents a mutation in the human methyl-CpG-binding protein 2, MECP2, DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to a method of screening a human for Rett syndrome
                                                                                                                                                                                                                  human; Rett syndrome; methyl-CpG-binding protein 2; MECP2; neurodevelopmental disease; autism; non-syndromic mental retardation; didiopathic neonatal encephalopathy; idiopathic infantile spasm; idiopathic cerebral palsy; Angelman syndrome; schizophrenia; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hair-bearing skin; human; serial analysis of gene expression; SAGE; homeostasis; cosmetic; pharmaceutical; blochip; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            comprising detecting a mutation in a nucleic acid sequence enc
methyl-CpG-binding protein 2 (MECP2). The method is useful for
a human for Rett syndrome. The method is useful for screening
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human hair-bearing skin-associated DNA fragment SEQ ID NO 708
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                                                                                                                                                                          Human methyl-CpG-binding protein 2, MECP2, mutation #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 11 BP; 3 A; 2 C; 2 G; 4 T; 0 U; 0 Other;
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81.8%; Pred. No. 93;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; SEQ ID NO 98; 125pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zoghbi HY, Van Den Veyver IB, Amir R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (BAYU ) BAYLOR COLLEGE MEDICINE
                                               BP
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                                               ADK13996 standard; DNA; 11
                                                                                                                                  (first entry)
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tes 9; Conserv
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                                                                                                                                  03-JUN-2004
                                                                                         ADK13996;
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    RESULT 187
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 comprising a Melaagis gallopavo nucleic acid sequence which encodes prepro beta-defansin polypeptide turkey heterophil peptide 2 (THP2). The nucleic acid is useful for expressing an avian beta defensin polypeptide, preferably THP2 peptide. The THP2 peptide is useful for treating, inhibiting, reducing or preventing a microbial (bacterial, viral, protozoal or fungal) infection in avians and mammals for vecerinary use such as for use with domestic or farm animals. The present sequence represents the avian beta-defensin GAL2/THP2 prepro peptide initiation
    the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New isolated and purified nucleic acid molecule encoding prepro form of Turkey heterophil peptide 2 which is an avian beta-defensin polypeptide, useful for treating or preventing microbial infection in avians.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to an isolated and purified nucleic acid molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ds; chicken; GALI; beta-defensin; avian; infection; microbe; bacterium; virus; protozoa; fungus; veterinary use; turkey; THPI.
rosscea, melanoma, basal cell carcinoma, and carcinoma or sarcoma of skin. The present sequence is that of a human expressed sequence tag (EST) of the invention
                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Avian beta-defensin GAL1/THP1 prepro peptide initiation sequence.
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                                                                                                                           Query Match
39.0%; Score 7.8; DB 1; Length 11;
Best Local Similarity 81.8%; Pred. No. 93;
Matches 9; Conservative 0; Mismatches 2; Indels
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                                                                                     Sequence 11 BP; 4 A; 2 C; 5 G; 0 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Col 27; 40pp; English.
                                                                                                                                                                                                                                                                                                                                                                      ADA44629 standard, DNA; 11 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gallus gallus.
Meleagris gallopavo.
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Matches 9: Conserv
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for screening

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20-DEC-2002; 2002DE-01060931.

(HENK) HENKEL KGAA.

This invention describes a novel in vitro method for identifying genes that are significant for hair-bearing skin, a first mixture of comprises recovering, from hair-bearing skin, a first mixture of genetically expressed (transcribed and optionally translated) factors (i.e. procedins, mRNA or their fragments), recovering a second, similar mixtures from skin on which hair does not grow and subjecting both mixtures for serial analysis of gene expression (SAGE) to identify those genes for which expression is markedly different between the two types of skin. The invention also describes in vitro methods for determining comments of human hair-bearing skin and for determining activity of cosmetic and pharmaceutical agents for use against disorders or disturbances of the homeostasis of human hair-bearing skin A biochip and a test kit comprising a solid support (flaxible or rigid) with impobilised probes are also described for determining homeostasis. The impobilised probes are also described for determining homeostasis. The hair-bearing skin is from the scalp and the other skin is from the face. The method allows identification of as many as possible of the genes important for hair-bearing skin, and therefore, of a very wide range of potential therapeutic and cosmetic agents. ADQ35184-ADQ36518 represent have a subject the subject of the subj In vitro identification of genes important for hair-bearing skin, useful for assessing homeostasis and in screening for pharmaceutical or cosmetic agents, based on differential expression analysis. Gaps hair-bearing skin; human; serial analysis of gene expression; SAGE; homeostasis; cosmetic; pharmaceutical; biochip; ds. ; 0 Human hair-bearing skin-associated DNA fragment SEQ ID NO 251. Gassenmeier T, Holtkoetter O; DB 1; Length 11; 2; Indels Sequence 11 BP; 4 A; 2 C; 2 G; 3 T; 0 U; 0 Other; Ouery Match
39.0%; Score 7.8; DB
Best Local Similarity 81.8%; Pred. No. 93;
Matches 9; Conservative 0; Mismatches Claim 5; SEQ ID NO 708; 250pp; German. ADQ35434 standard; DNA; 11 BP. 20-DEC-2002; 2002DE-01060931. 20-DEC-2002; 2002DE-01060931. 20-DEC-2002; 2002DE-01060931 Schlotmann K, 23-SEP-2004 (first entry) 3 TCATGGTCACA 13 11 rcrrccraca 1 Petersohn D, Schloum. WPI; 2004-518857/50. (HENK) HENKEL KGAA DE10260931-A1 Homo sapiens 08-JUL-2004 ADQ35434; RESULT 189 ADQ35434 අ ò

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This invention describes a novel in vitro method for identifying genes that are significant for hair-bearing skin in humans. The method comprises recovering, from hair-bearing skin, a first mixture of genetically expressed (transcribed and optionally translated) factors (i.e. proteins, mRNA or their fragments), recovering a second, similar mixtures from skin on which hair does not grow and subjecting both mixtures from skin on which hair does not grow and subjecting both mixtures for which expression is markedly different between the two types of genes for which expression is markedly different between the two types of skin. The invention also describes in vitro methods for determining homeostasis of human hair-bearing skin and for determining activity of cosmetic and pharmaceutical agents for use against disorders or disturbances of the homeostasis of human hair-bearing skin. A blochip and catest kit comprising a solid support (flexible or rigid) with immobilised probes are also described for determining homeostasis. The immobilised probes are also described for determining homeostasis. The method allows identification of as many as possible of the genes important for hair-bearing skin, and therefore, of a very wide range of potential therapeutic and cosmetic agents. AD0315184-AD036518 represent homeony and the follows associated with hair-bearing with hair-bearing with hair-bearing skin is from the scale associated with hair-bearing skin is from the scale associated with hair-bearing skin is from the scale associated with hair-bearing skin is from the scale as many as possible. In vitro identification of genes important for hair-bearing skin, useful for assessing homeostasis and in screening for pharmaceutical or cosmetic agents, based on differential expression analysis. Gaps hair-bearing skin; human; serial analysis of gene expression; SAGE; homeostasis; cosmetic; pharmaceutical; biochip; ds. ö Human hair-bearing skin-associated DNA fragment SEQ ID NO 153 Petersohn D, Schlotmann K, Gassenmeier T, Holtkoetter O; Gassenmeier T, Holtkoetter O; Score 7.8; DB 1; Length 11; Pred. No. 93; Indels 2; Sequence 11 BP; 3 A; 3 C; 1 G; 4 T; 0 U; 0 Other; 0; Mismatches Claim 6; SEQ ID NO 251; 250pp; German. ADQ35336 standard; DNA; 11 BP. 20-DEC-2002; 2002DE-01060931. 20-DEC-2002; 2002DE-01060931 39.0%; Petersohn D, Schlotmann K, Conradt M, Hofmann K; (first entry) 9; Conservative 4 CATGGTCACAT 14 1 CATCGTTACAT 11 WPI; 2004-518857/50. Query Match Best Local Similarity (HENK) HENKEL KGAA DE10260931-A1. bearing skin. 23-SEP-2004 08-JUL-2004. ADQ35336; RESULT 190 Matches ADQ35336, ઠે g

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel in vitro method for identifying genes that are significant for hair-bearing skin, a first mixture of comprises recovering, from hair-bearing skin, a first mixture of genetically expressed (transcribed and optionally translated) factors (i.e. proteins, mana or their fragments), recovering a second, similar mixtures from skin on which hair does not grow and subjecting both mixtures to serial analysis of gene expression (SAGS) to identify those gards for which expression is markedly different between the two types of skin. The invention also describes in vitro methods for determining to homeostasis of human hair-bearing skin and for determining activity of cosmetic and pharmaceutical agents for use against disorders or disturbances of the homeostasis of human hair-bearing skin. A biochip and a test kit comprising a solid support (flaxible or rigid) with amobilised probes are also described for determining homeostasis. The hair-bearing skin is from the scalp and the other skin is from the face. The method allows identification of as many as possible of the genes important for hair-bearing skin, and therefore, of a very wide range of potential therapeutic and cosmetic agents. ADQ35518 represent bearing skin, akin, akin
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                                                                 In vitro identification of genes important for hair-bearing skin, useful for assessing homeostasis and in screening for pharmaceutical or cosmetic agents, based on differential expression analysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       In vitro identification of genes important for facial skin, useful for
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    facial skin; human; serial analysis of gene expression; SAGE;
homeostasis; biochlp; cosmetic; pharmaceutical; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 39.0%; Score 7.8; DB 1; Length 11; Best Local Similarity 81.8%; Pred. No. 93; Matches 9; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human facial skin-associated DNA fragment SEQ ID NO 2530.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 11 BP; 3 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                      Claim 6; SEQ ID NO 153; 250pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADQ34440 standard; DNA; 11 BP.
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Conradt M, Hofmann K;
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Hofmann K,
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                                  WPI; 2004-518857/50.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               bearing skin.
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Conradt M,
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ADQ34440
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This invention describes a novel in vitro method for identifying genes
that are significant for facial skin in humans. The method comprises
crecovering, from facial skin, a first mixture of genetically expressed
(transcribed and optionally translated) factors (i.e. proteins, mRNA or
their fragments), recovering a second, similar mixture from some other
thman tissue, preferably skin from a protected area, especially from the
breast and subjecting the mixtures to serial analysis of gene expression
breast and subjecting the mixtures to serial analysis of gene expression
(SAGE) to identify those genes for which expression is markedly different
breast and subjecting the mixtures for which expression is markedly different
converse facial skin and the other tissue. The invention also describes an
in vitro method for determining homeostasis of human facial skin; a test
kit which comprises a solid support (flexible or rigid) on which are
involved that bind specifically to the factors of interest and
a biochip for determining homeostasis of human facial skin; The products
cof the invention are also used in a method which determines activity of
cosmetic and pharmaceutical agents for use against disorders or
consentic and pharmaceutical agents. The method allows
consentic and pharmaceutical agents. The method allows
confertifying cosmetic and pharmaceutical agents. The method allows
skin and thus of a very wide range of potential therapeutic and cosmetic
agents. ADQ31911-ADQ35111 represent human DNA Tag fragments used to
identify the facial skin-associated genes described in the invention.
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assessing homeostasis and in screening for pharmaceutical or cosmetic agents, based on differential expression analysis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 39.0%; Score 7.8; DB 1; Length 11; 81.8%; Pred. No. 93; ive 0; Mismatches 2; Indels
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/note=="Binds nucleotides 12-9 of itself"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 11 BP; 1 A; 3 C; 3 G; 4 T; 0 U; 0 Other;
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/bound_moiety= "Itself"
                                                                                                            Claim 4; SEQ ID NO 2530; 577pp; German.
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Best Local Similarity 81.57
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This invention relates to a novel method of producing a small interfering RNA (siRNA). The method comprises providing a first RNA construct comprising a first ribozyme operably linked to a sense and antisense strand of an siRNA and placing the first and second RNA constructs under conditions where the first and second ribozyme catalyze the cleavage of the sense and antisense strands of the siRNA from the first and second RNA constructs. The present sequence is that of a p4 box RNA which was used during the exemplification of the method of the invention.
                                                                                           Producing a small, interfering RNA (siRNA) by providing a first or second RNA construct comprising a first or second ribozyme operably linked to a sense or an antisense strand, respectively of an siRNA.
                                                                                                                                                                                            Example 1; SEQ ID NO 15; 43pp; English
  Soukup GA, Kertsburg A;
                                             WPI; 2005-075534/08.
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Query Match 36.0%; Score 7.2; DB 1; Length 12; Best Local Similarity 75.0%; Pred. No. 1.3e+02; Matches 9; Conservative 0; Mismatches 3; Indels Sequence 12 BP; 5 A; 2 C; 3 G; 0 T; 2 U; 0 Other;

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Search completed: November 22, 2006, 13:59:34 Job time : 1 secs

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ACCESSION: CQ835701 ACCESSION: CQ835852 ACCESSION: AX470966 ACCESSION: AX62145 ACCESSION: AX626419 ACCESSION: AX626419 ACCESSION: AX626410 ACCESSION: AX626410 ACCESSION: AX6364074 ACCESSION: AX6364074 ACCESSION: AX6364074 ACCESSION: AX6364074 ACCESSION: AX6364074	ACCESSION: AR153908 ACCESSION: AR172244 ACCESSION: AR172244 ACCESSION: BD001178 ACCESSION: BD001607 ACCESSION: BD261805 ACCESSION: BD261805 ACCESSION: CQ28540 ACCESSION: CQ28540 ACCESSION: CQ28429	ACCESSION: AR234464 ACCESSION: AR275829 ACCESSION: 158612 ACCESSION: 172395 ACCESSION: AR577337 ACCESSION: AR699868 ACCESSION: AR699878 ACCESSION: AR698878 ACCESSION: AR283286 ACCESSION: AR283286 ACCESSION: AR283286 ACCESSION: AR711060 ACCESSION: AR711060 ACCESSION: AR71398 ACCESSION: AR71398 ACCESSION: AR71398 ACCESSION: AR71398 ACCESSION: AR71398	ACCESSION : BD240 099 ACCESSION : BD20 099 ACCESSION : BD10 6575 ACCESSION : BD10 6575 ACCESSION : CQ8 2872 ACCESSION : AX47203 ACCESSION : AX47208 ACCESSION : AX628092 ACCESSION : CQ83289 ACCESSION : CQ833337 ACCESSION : CQ83288 ACCESSION : CQ833337 ACCESSION : AX301622 ACCESSION : AX624268 ACCESSION : AX624269 ACCESSION : AX62353 ACCESSION : AX62353 ACCESSION : AX62353 ACCESSION : AX632535
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n 5.1.9 Biocceleration Ltd. Search time 0.001 Seconds (without alignments) 69.960 Million cell updates/sec	, , , , , , , , , , , , , , , , , , , ,	: d by ch the re re dist	Description ACCESSION:ACS097426 ACCESSION:AR199401 ACCESSION:AR199401 ACCESSION:AR199401 ACCESSION:AR18045 ACCESSION:AR18045 ACCESSION:AR18045 ACCESSION:AR18045 ACCESSION:AR18045 ACCESSION:AR18045 ACCESSION:AR18045 ACCESSION:AR18045 ACCESSION:AR1910 ACCESSION:BD124291 ACCESSION:BD124291 ACCESSION:AR194807 ACCESSION:AR19485 ACCESSION:AR19445 ACCESSION:AR19445 ACCESSION:AR19445 ACCESSION:AR19445 ACCESSION:AR194807 ACCESSION:AR19485 ACCESSION:AR1948199 ACCESSION:AR1948199 ACCESSION:AR1948199 ACCESSION:AR1948199 ACCESSION:AR1948199 ACCESSION:AR1948199 ACCESSION:AR1948199 ACCESSION:AR1948199 ACCESSION:AR1948199
GenCore version 5.1 Copyright (c) 1993 - 2006 Bio ic search, using sw model vember 22, 2006, 13:56:07 ; Se (with	446 Eggatga 20 pext 0.5 residues	paramet maries ts predi he score	Query Match Length DB ID 14.0 19 1 AR199401 64.0 17 1 CS097426 61.0 17 1 CS097426 61.0 17 1 AR199401 64.0 17 1 AR199401 64.0 17 1 AR199401 64.0 17 1 AR792438 61.0 17 1 AR792438 64.0 11 1 AR79970 65.0 12 1 AR79976 67.0 13 1 AR79976 67.0 13 1 AR79976 67.0 13 1 AR79970 67.0 13 1 AR79970 67.0 13 1 AR79970 67.0 10 1 AR79970 67.0 10 1 AR79970 67.0 10 1 AR79970 67.0 10 1 AR8907 67.0 10 1 AR867223 67.0 10 1 AR867223 67.0 10 1 AR867234 67.0 10 1 AR867397 67.0 10 1 AR867399

Hominidae; Homo. REFERENCE AUTHORS Lacroix,B., Krause,A., Puisieux,A. and Bachelot,T. TITLE Method for prognosticating a breast cancer JOURNAL Patent: WO 2005046570-A 69 19-MAY-2005; BIOMERIBUX (FR); Centre Leon Berard (FR) Location/Qualifiers 1. 20 /organism="Home sapiens" /mol_type="unassigned DNA" /db_Xref="taxon:9606"	Query Match 85.0%; Score 17; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.5; Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	1 CCTCATGGTCACATGGA 1	RESULT 2 AR199401 LOCUS LOCUS DEFINITION Sequence 22 from patent US 6355434. ACCESSION AR199401. GI:20249475	ស្គ	Datients JOURNAL Patent: US 6355434-A 22 12-MAR-2002; FEATURES Location/Qualifiers 119 corganism="unknown" / mol_type="unassigned DNA"	Query Match 74.0%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 4.6; Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;	Oy 2 CTCATGGTCACATGGATG 19	RESULT 3 AX732438/c LOCUS LOCUS LOCUS DEPINITION Sequence 4072 from Patent W003025175. ACCESSION AX732438 VERSION AX732438 VERSION AX732438.1 GI:30511781 KEYWORDS CONTROL CON	Homo sapiens Homo sapiens Eukaryota; Me Mammalia; Eut Hominidae; Ho	AUTHORS Telerman, A., Amson, R. and Tuijnder, M. TITLE Sequences involved in phenomena of tumour suppression, tumour TITLE reversion, apoptosis and/or virus resistance and their use as medicines JOURNAL Patent: WO 31025175-A 4072 27-MAR-2003;	Molecular Engines Laboratories (FR) FEATURES Location/Qualifiers 117 source / Organism="Homo sapiens" /mol_type="unassigned DNA"
ACCESSION: AR036563 ACCESSION: BD007825 ACCESSION: BD065345 ACCESSION: BD061126 ACCESSION: BD161260 ACCESSION: BD161382 ACCESSION: BD166523 ACCESSION: BD166523 ACCESSION: BD166762 ACCESSION: BD166762 ACCESSION: BD167720	ACCESSION: BD16/18/77 ACCESSION: BD238612 ACCESSION: BD249661 ACCESSION: BD240651 ACCESSION: CD240651 ACCESSION: CD240661	ACCESSION: CQ58078 ACCESSION: CQ65078 ACCESSION: CS065828 ACCESSION: CS065828 ACCESSION: CS065867	ACCESSION: CS065867 ACCESSION: DD199534 ACCESSION: DD199713 ACCESSION: E34761 ACCESSION: E39479 ACCESSION: E39479	ACCESSION: AK22233 ACCESSION: AK202502 ACCESSION: AK301309 ACCESSION: AK301393 ACCESSION: AK301484 ACCESSION: AK310652	ACCESSION: AR44 4 0 B 1 ACCESSION: AR487 0 4 B ACCESSION: AR68 5 5 3 ACCESSION: AR69 6 3 6 ACCESSION: AR69 6 6 1 6	ACCESSION; AK770228 ACCESSION; AK778232 ACCESSION: AX7021789 ACCESSION; AX104930 ACCESSION; AX154753	ACCESSION: AX152924 ACCESSION: AX153532 ACCESSION: AX153533 ACCESSION: AX153596	ACCESSION: AX189802 ACCESSION: AX337141 ACCESSION: AX377141 ACCESSION: AX510724 ACCESSION: AX811995 ACCESSION: AX814010 ACCESSION: AX814010		linear PAT 03-JUN-2005	; Vertebrata; Buteleostomi; Primates; Catarrhini;
7.4 37.0 10 1 AR036563 7.4 37.0 10 1 BD007925 7.4 37.0 10 1 BD065345 7.4 37.0 10 1 BD16128 7.4 37.0 10 1 BD16128 7.4 37.0 10 1 BD16653 7.4 37.0 10 1 BD16659 7.4 37.0 10 1 BD16659 7.4 37.0 10 1 BD16659 7.4 37.0 10 1 BD16659 7.4 37.0 10 1 BD16659	4 37.0 10 1 4 37.0 10 1 4 37.0 10 1 4 37.0 10 1	.4 37.0 10 1 .4 37.0 10 10 10 10 10 10 10 10 10 10 10 10 10	37.0 10 11 12 13 13 13 13 13 13 13 13 13 13 13 13 13	37.00 10 11 14 37.00 10 10 11 14 37.00 10 10 11 11 11 11 11 11 11 11 11 11 1	37.0 37.0 37.0 37.0 37.0 37.0 37.0	.4 37.0 10 1 .4 37.0 10 1 .4 37.0 10 1 .4 37.0 10 1	4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4	4 37.0 10 11 14 37.0 10 11 11 11 11 11 11 11 11 11 11 11 11	ALIGNMENTS	CS097426 20 bp DNA Sequence 69 from Patent WO2005045070. CS097426 CS097426.1 GI:66953875	. Homo sapiens (human) 1 Homo sapiens 1 Homo sapiens Bukaryota, Metazoa, Chordata, Craniata, Mammaila, Eutheria, Euarchontoglires; P

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RESULT 1 CSO97426/c LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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PAT 07-MAY-1999
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                                                                                             PAT 20-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rattus norvegicus (Norway rat)
Rattus norvegicus
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Sciurognathi; Muroidea; Muridae; Murinae; Rattus
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Regulatory elements in the 5' region of the vrl gene
Patent: WO 2004053120-A 357 24-JUN-2004;
Gruenenthal GmbH (DE)
                                                                                                                                                                                                                                                                                                                                                                                                              Length 15;
                                                                                                                                                                                                                         Unclassified.

1 (bases 1 to 15)

10 (bases 1 b. Kinzler,K.W., Zhang,L. and Zhou,W. Oogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W. Gene expression profiles in normal and cancer cells Patent: US 6333152-A 513 25-DEC-2001;
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                                                                                               linear
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CQ828639
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/mol type="unassigned DNA"
/mol xref="taxon:10116"
/note="v$AP1FJ Q2"
                                                                                                                                                                                                                                                                                                                                                                                                          ; Score 10.8; DE; Pred. No. 22; 0; Mismatches
                                                                                               15 bp DN
Sequence 513 from patent US 6333152.
AR180445
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47.0%; Score 9.4; DB
Best Local Similarity 90.9%; Pred. No. 21;
Matches 10; Conservative 0; Mismatches
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Sequence 81 from Patent WO9813521.
A71522.
A71522.1 GI:4775134

    .15
    /organism="unknown"
    /mol_type="unassigned DNA"

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85.7%;
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Best Local Similarity 85.7
Matches 12; Conservative
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A71522
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. Endrougher encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668188-A 7612 03-FEB-2004;
Amersham PLC; Buckinghamshire;
                                                                                                                                                                                                                                                                                                                                                                    Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 7612 06-DEC-2001;
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                                                 DB 1; Length 17;
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                                                                                                                                                                                                                                                    CQ622872 17 bp DNA Sequence 7612 from Patent WO0192524.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                               Query Match 64.0%; Score 12.8; I Best Local Similarity 87.5%; Pred. No. 10; Matches 14; Conservative 0; Mismatches
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/organism="unknown"
/mol_type="genomic DNA"
               /db_xref="taxon:9606"
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Location/Qualifiers
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CQ622872.1 GI:41673090
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Homo sapiens

source

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RESULT 4
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PAT 08-DEC-2005

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PAT 18-SEP-2002

REFERENCE AUTHORS TITLE

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muroidea; Muridae; Murinae; Mus. 1 (bases 1 to 11)
                                                                           Unknown.
Unclassified.
1 (bases 1 to 13)
Baird, E.B. and Dervan, P.B.
Inhibition of major groove DNA binding proteins by modified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 13)
Baird, E.E. and Dervan, P.B.
Inhibition of major groove DNA binding proteins by modified
                                                                                                                                                                                                                                                                                                                             47.0%; Score 9.4; DB 1; Length 13; 90.9%; Pred. No. 32;
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Patent: US 6958240-A 12 25-OCT-2005,
California Instiute of Technology; Pasadena,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent: US 6958240-A 13 25-OCT-2005;
California Instiute of Technology; Pasadena,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Compositions and method for healing wound.
BD124291
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Patent: JP 2002503460-A 122 05-FEB-2002;
THE WISTAR INSTITUTE
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Sequence 13 from patent US 6958240.
AR759770
AR759770.1 GI:83326506
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47.0%; Score 9.4; DB
Best Local Similarity 90.9%; Pred. No. 32;
Matches 10; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                   /mol_type="genomic DNA"
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/mol_type="genomic DNA"
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                                                                                                                                                                                                                                                                     /organism≈"unknown"
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JP 2002503460-A/122.
Mus musculus (house mouse)
Mus musculus
                   AR759769.1 GI:83326505
                                                                                                                                                                                                                                                                                                                                                                   10; Conservative
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AR759770/c
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BD124291/c
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1 (Dases 1 to 12)

Gotoda, T., Yamada, N., Murase, T., Inaba, T., Ishibashi, S.,
Shimano, H., Koga, S., Yazaki, Y., Furuichi, Y. and Takaku, F.
Occurrence of multiple aberrantly spliced miNAs upon a donor splice
site mutation that causes familial lipoprotein lipase deficiency
J. Biol. Chem. 266 (36), 24757-24762 (1991)

1761570

GenBank staff at the National Library of Medicine created this
entry [NCBI gibbsq 74610] from the original journal article.
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unclassified sequences.

(bases 1 to 12)

Fesce, R. and Consalar, G.

METHOD FOR THE DIFFERENTIAL SCREENING OF GENE EXPRESSION BY RANDOM PRIMED REVERSE TRANSCRIPTION-POLYMERASE CHAIN REACTION

Patent: WO 9813521-A 81 02-APR-1998;

FRSGE RICCARDO (IT)

Location/Qualifiers
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Euarchontoglires, Primates, Catarrhini,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12 bp mRNA linear PRI 07-MAY-1:
lipoprotein lipase {exon 2-exon 3 boundary} [human, mRNA Partial
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'note="contains in-frame 18-base pair deletion; LPL"
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47.0%; Score 9.4; DB 1;
Best Local Similarity 90.9%; Pred. No. 26;
Matches 10; Conservative 0; Mismatches 1;
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/protein id="AAB20748.1"
/db_xref="GI:241424"
/translation="FMVT"

    .12
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"

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AR75969 AR759769 13 bp I
DEFINITION Sequence 12 from patent US 6958240.
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/mol_type="mRNA"
/db_xref="taxon:9606"
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Best Local Similarity 90.9
Matches 10, Conservative
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TCATGGTAACA 12
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REMARK FEATURES

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PAT 02-DEC-1994
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1 (bases 1 to 12)
Chee,M., Cronin,M.T., Fodor,S.P.A., Huang,X.X., Hubbell,E.A., Lipshutz,R.J., Lobban,P.E., Morris,M.S. and Sheldon,E.L. Arrays of nucleic acid probes on biological chips
Patent: US 5837832-A
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1 (bases 1 to 12)

Rungl.H.-F. and Yamazaki,S.

Purification of recombinant interleukin-2

Patent: EP 0147819-A2 7 10-JUL-1985;

Location/Qualifiers
cyp3a5 expression
Patent: WO 02053775-A 157 11-JUL-2002;
EPIDAUROS BIOTECHNOLOGIE AG (DE)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1;
                                                                                                                                 45.0%; Score 9; DB 1;
100.0%; Pred. No. 26;
ative 0; Mismatches
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Sequence 200 from patent US 5837832.
ARO58623
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Best Local Similarity 100.0%; Pred. No. 33;
Matches 9; Conservative 0; Mismatches
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44.0%; Score 8.8; DE
Best Local Similarity 83.3%; Pred. No. 36;
Matches 10; Conservative 0; Mismatches
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/mol_type="unassigned DNA"

    .11
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Sequence 7 from Patent BP 0147819.
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
                                                                                                     C12N15/09, A01K67/027, C12N5/10, C12Q1/68, G01N33/50, C12N15/00,
                                                               60/097937 PR
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Identification of the genetic determinants of the polymorphic
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/organism='Mus musculus (mouse)'
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   OS Mus musculus (mouse)
PN JP 2002503460-A/122
PD 05-FEB-1999
PF 12-FEB-1999 JP 2000531545
PR 13-FEB-1999 US 60/074737,26-AUG-1999 US 28-SEP-1999 US 60/102051
PI ELLEN HEBER KATZ
PC C12N15/09,A01K67/027,C12N5/10,C12Q1/68,G01N
                                                                                                                                    Compositions and method for healing wound Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 11)
Heber-Katz, E.
Compositions and methods for wound healing
Patent: US 6538173-A 122 25-MAR-2003;
The Wistar Institute; Philadelphia, PA;
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45.0%; Score 9; DB 1;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 9; Conservative 0; Mismatches
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/organism="Mus musculus"
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Homo sapiens
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PAT 17-JAN-2003

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C12N15/09, C07K14/47, C07K16/18, G01N33/15, G01N33/50//C12P21/02
                                                                                                                                                                                                                                           unclassified sequences.

1 (Dases 1 to 10)
Matsushima,K., Hashimoto,S., Kaneko,S. and Yamashita,T.
Human liver disease expressing genes
Patent: JP 2002209591-A 579 30-JUL-2002;
JAPAN SCIENCE AND TECHNOLOGY CORP
OS Homo sapiens (human)
PN JP 2002209591-A/579
PD 30-JUL-2002
PP 19-JNA-2001 JP 2001012328
PI KOJI MATSUSHIMA,SHINICHI HASHIMOTO,SHUICHI KANEKO,TARO PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1..10
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="beaription of Artificial Sequence: Synthetic oligonucleotide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism='Homo sapiens (human)'.
Location/Qualifiers
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Best Local Similarity 90.0%; Pred. No. 28;
Matches 9; Conservative 0; Mismatches 1; Indels
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Pred. No. 28;
0; Mismatches 1; Indels
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Methods of assessment of drug metabolizing enzymes
Patent: WO 2004069189-A 136 19-AUG-2004;
Innovaceuticals, Inc. (US)
Location/Qualifiers
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Key Location/Qualifiers
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synthetic construct
other sequences; artificial sequences.
                                                        BD167034
Human liver disease-expressing genes.
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                                                                                                                                        BD167034.1 GI:27872846
JP 2002209591-A/579.
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Best Local Similarity 90.0
Matches 9; Conservative
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C12N15/00
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PD JP 20
PD 30-JU
PP 19-JA
PP 19-JA
PYAMASHITA
PC C12N1
PC C12N1
CC HUMAN
PH KEY
FF SOURC
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RESULT 19
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unclassified sequences.

unclassified sequences.

is Matsushima, K., Hashimoto, S., Kaneko, S. and Yamashita, T.

Human liver disease-expressing genes

Human science AND TECHNOLOGY CORP

OS Homo sapiens (human)

PN JP 2002209591-A/40

PD 30-JUL-2002

PP 19-JAN-2001 JP 200101338

PI KOJI MATSUSHIMA, SHINICHI HASHIMOTO, SHUICHI KANEKO, TARO PI

YAMASHITA

PC CI2PAI/08,

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                                                                                                                                                           synthatic construct
synthatic construct
other sequences, artificial sequences.

1 (bases I to 10)
Taniguchi,T., Matsui,H., Hamuro,J., Sato,T. and Sano,K.
Saccharomyces cerevisiae possessing gene coding for interleukin-2
Saccharomyces cerevisiae possessing interleukin-2 using the yeast
Patent: EP 0142268-A 11 22-MAY-1985;
AJINOMOTO CO., INC.; JAPANESE POUNDATION FOR CANCER RESEARCH
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C12N15/09, C07K14/47, C07K16/18, G01N33/15, G01N33/50//C12P21/02
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                                  A04966 10 bp DNA linear Nucleotide sequence 11 from patent number EP0142268.
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Best Local Similarity 90.0%; Pred. No. 28;
Matches 9; Conservative 0; Mismatches 1; Indels
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42.0%; Score 8.4; DB 1; Length 10;
Best Local Similarity 90.0%; Pred. No. 28;
Matches 9; Conservative 0; Mismatches 1; Indels
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    10
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Human liver disease-expressing genes.
BD166495.1 GI:27872307
PP 200220591-A/40.

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/db_xref="taxon:32644"

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RESULT 18 BD166495/c

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Cheng, Y.-c., Lukhtanov, B.A., Meyer, R.B. Jr., Pai, B.S., Reed, M.W. and Zhou, J.H.
Sterol modified oligonucleotide duplexes having anticancer activity
Patent: US 5646126-A 35 08-JUL-1997;
Location/Qualifiers
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Chadwick, B.P. and Frischauf, A.-M.
Methods and compositions relating to CD39-like polypeptides and
nucleic acids
Patent: US 6780410-A 29 24-AUG-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chadwick, B.P. and Frischauf, A.-M.
Chadwick, B.P. and Frischauf, A.-M.
Methods and compositions relating to CD39-like polypeptides and
nucleic acids
Patent: US 675214-A 29 06-JUL-2004;
Nuvelo, Inc.; Sunnyvale, CA
Location/Qualifiers
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Best Local Similarity 90.0%; Pred. No. 28;
Matches 9; Conservative 0; Mismatches 1; Indels
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Best Local Similarity 90.0%; Pred. No. 28;
Matches 9; Conservative 0; Mismatches 1; Indels
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/organism="unknown"
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AR562123
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/wol_type="unassigned RNA"
                                                                                                       /organism="unknown"
/mol_type="unassigned DNA"
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Location/Qualifiers
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Best Local Similarity 90.0
Matches 9; Conservative
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AR567221
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AR562123
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1 (bases 1 to 10)
Cheng, Y.-c., Lukhtanov, E.A., Meyer, R.B. Jr., Pai, B.S., Reed, M.W. and Zhou, J.H. and Zhou, J.H. and Zhou, J.H. Sterol modified oligonucleotide duplexes having anticancer activity Patent: US 5646126-A 31 08-JUL-1997;
Location/Qualifiers
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Chadwick, B. Paul. and Frischauf, A.-M.
Chadwick, B. Paul. and Frischauf, A.-M.
Methods and compositions relating to CD39-like polypeptides and
nucleic acids
Patent: US 6350447-A 29 26-FEB-2002;
Location/Qualifiers
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Sequence 35 from patent US 5646126.
I54945
I54945.1 GI:2476148
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/mol_type="unassigned DNA"
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Sequence 29 from patent US 6350447.
AR194807
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 31 from patent US 5646126.
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AR194807
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AUTHORS
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RESULT 22

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FEATURES

REFERENCE AUTHORS TITLE

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                         Unclassified.

1 (bases 1 to 10)

1 (bases 1 to 10)

Achdwick, B.P. and Frischauf, A.-M.

Methods and compositions relating to CD39-like polypeptides and nucleic acids

Patent: US 6787328-A 29 07-SEP-2004;

Nuvelo, Inc.; Sunnyvale, CA

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 10)
Chadwick, B.P. and Frischauf, A.-M.
Methods and compositions relating to CD39-like polypeptides and nucleic acids
Patent: US 6828423-A 29 07-DEC-2004;
Nuvelo, Inc.; Sunnyvale, CA
Location/Qualifiers
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Chadwick, B.P. and Frischauf, A.-M.
Methods and compositions relating to CD39-like polypeptides and
nucleic acids
Patent: US 6884872-A 29 26-APR-2005;
NUVELO, Inc.; Sunnyvale, CA
Location/Qualifiers
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Sequence 29 from patent US 6828423.
AR614595
AR614595.1 GI:56670943
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Sequence 29 from patent US 6884872.
AR652778
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AR614595
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1 (bases 1 to 10)

Chadwick, B.P. and Frischauf, A.-M.

Methods and compositions relating to CD39-like polypeptides and nucleic acids

Patent: US 6780977-A 29 24-AUG-2004;

Nuvelo, Inc.; Sunnyvale, CA

Location/Qualifiers
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Chadwick, B.P. and Frischauf, A.-M.
Methods and compositions relating to CD39-like polypeptides and
nucleic acids
Patent: US 6783959-A 29 31-AUG-2004;
Nuvelo, Inc.; Sunnyvale, CA
Location/Qualifiers
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42.0%; Score 8.4; DB 1; Length 10;
Best Local Similarity 90.0%; Pred. No. 28;
Matches 9; Conservative 0; Mismatches 1; Indels
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Best Local Similarity 90.0%; Pred. No. 28;
Matches 9; Conservative 0; Mismatches 1.
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Sequence 29 from patent US 6787328.
AR580135 GI:S6610137
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Sequence 29 from patent US 6780977.
AR567927
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Sequence 29 from patent US 6783959.
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/organisma"unknown"
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RESULT 27 AR577802 LOCUS

AUTHORS TITLE

REFERENCE

JOURNAL

PEATURES

PAT 29-JUL-2004

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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                                                                                                                                                                                                         Petersohn, D., Schlotmann, K., Gassenmeier, T., Holtkoetter, O. Conradt, M. and Hofmann, K. Method for determining markers of human facial skin Patent: WO 2004(059001-A 734 15-JUL-2004; Henkel Kommanditgesellschaft auf Aktien (DE)
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Sequence 759 from Patent WO2004059001.
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       Sequence 734 from Patent WO2004059001.
CQ835676
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
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CQ835701.1 GI:50835235
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                                                                   CQ835676.1 GI:50835210
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Chadwick, B.P. and Frischauf, A.-M.
Methods and compositions relating to CD39-like polypeptides and nucleic acids
Patent: US 6899875-A 29 31-MAY-2005;
Nuvelo, Inc.; Sunnyvale, CA
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Patent: WO 0.138577-A 64 31-MAY-2001;
The Johns Hopkins University (US)
Location/Qualifiers
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Sequence 64 from Patent WO0138577.
AX152149
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Best Local Similarity 90.0%;
Matches 9; Conservative
                  Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative
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Homo sapiens (human)

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Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini,
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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Henkel Kommanditgesellschaft auf Aktien (DE)
Location/Qualifiers
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Sequence 3460 from Patent WO02053774.
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Sequence 2745 from Patent WO02053774.
Ax625704
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    .11
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                                                                              /mol_type="unassigned DNA"
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    /organism="Homo sapiens"

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/organism="Homo sapiens"
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini;
                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Euarchontoglires, Primates, Catarrhini,
Hominidae, Homo.
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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                                                                                           Petersohn, D., Schlotmann, K., Gassenmeier, T., Holtkoetter, O., Conredt, M. and Hofmann, K. Method for determining markers of human facial skin Method for determining markers of human facial skin Patent: WO 2004053001-8 1910 15-JUL-2004; Henkel Kommanditgesellschaft auf Aktien (DE)
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Method for determining skin stress or skin ageing in vitro
Patent: WO 02053773-A 543 11-JUL-2002;
HENKEL KGAA (DE)
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Method for determining homeostasis of the skin
Patent: WO 02053774-A 1186 11-JUL-2002;
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Sequence 543 from Patent WO02053773.
AX470966
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                                                                                                                                                                                                                                          /organisme"Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Best Local Similarity 90.0%;
Matches 9, Conservative (
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    Homo sapiens
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Best Local S
Matches 9
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

RESULT 36 AX470966 LOCUS

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REFERENCE AUTHORS TITLE JOURNAL

PEATURES

RESULT 37 AX624145 LOCUS DEFINITION

ACCESSION VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS TITLE JOURNAL

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Gape

Gaps

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PAT 14-FEB-2001
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Noteborn, M.H.M. and De Boer, G.F.
Noteborn, M.H.M. and De Boer, G.F.
Proteins encoded by chicken anemia virus DNA and diagnostic kits and vaccines employing said proteins
and vaccines employing said proteins
Patent: US 6238669-A 10 29-MAY-2001;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       42.0%; Score 8.4; DB 1; Length 12; 90.0%; Pred. No. 45; tive 0; Mismatches 1; Indels
                                                                                                                                                                                    1; Length 12;
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                                            Unclassiler.

10 (bases 1.t.

11 (bases 1.t.

12 (bases) A.H.M. and De Boer,G.F.

Recombinant chicken anemia virus particle

Retent: US 5956424-A 10 28-SEP-1999;

Location/Qualifiers
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                                                                                                                                                                                    Score 8.4; DB Pred. No. 45; 0; Mismatches
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    .12
/organism="unknown"
/mol_type="unassigned DNA"

                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unclassified.

1 (bases 1 to 12)
Brough,D.E. and Kovesdi,I.
Recombinant adenovirus
Patent: US 6113913-A 2 05-SEP-2000;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mol_type="unassigned DNA"
                                                                                                                                          /organism="unknown"
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                                                                                                                                                                                                                                                                                                                                               Sequence 2 from patent US 6113913.
ARI08947.1 GI:12825223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="unknown"
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                                                                                                                                                                                     42.0%;
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Best Local Similarity 90.0.
Pest Local 9; Conservative
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Best Local Similarity 90.0
Matches 9; Conservative
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                                        Unclassified.
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AR108947/c
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AR153908/c
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Draper, K.G.
Method and reagent for inhibiting herpes simplex virus replication
Patent: US 5795778*A 24 18-AUG-1998;
Location/Qualifiers
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                                                                                                                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Pred. No. 36;
0; Mismatches 1; Indels
                                                                                                                               linear
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1; Indels
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Sequence 8608 from Patent WO02053774.
Ax631566
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0; Mismatches

    .11
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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/wol_type="unassigned DNA"
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Sequence 24 from patent US 5795778.
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Best Local Similarity 90.0%;
Matches 9; Conservative (
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Best Local Similarity 90.0
Matches 9; Conservative
 9; Conservative
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ACCESSION
VERSION
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AR075457/c
LOCUS
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ACCESSION
VERSION
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SOURCE
ORGANISM
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ORGANISM
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AR024074/c
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VERSION
KEYWORDS
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JOURNAL
FEATURES
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AX631566
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AUTHORS
TITLE
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   Matches
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Gaps

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ACCESSION VERSION VERSION KEYWORDS SOURCE ORGANISM

RESULT 45 AR172244/c LOCUS

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JAMES J HOLESEK, ANTHONY J MAMONE
C12N15/09,C12NS/10,C12N7/00,C12N9/22//(C12N5/10,C12R1:91), PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JS 07/882689,14-MAY-1992 US 07/882712 PR 07/882713,14-MAY-1992 US 07/882714 PR 07/88283,14-MAY-1992 US 07/88288 PR 07/882886,14-MAY-1992 US 07/88288 PR 07/882889 PR
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synthetic construct
chars sequences, artificial sequences.
chars sequences, artificial sequences.
I bases 1 to 12)
Braper, K.G., Dadyktz, L.W., Macswigen, J.A., Maysejak, D.G.,
Holesek, J.J. and Mamone, A.J.
Method and reagent for inhibiting viral replication
better: JP 2000342286-A 338 12-DEC-2000;
RIBOZYME PHARMACEUTICALS INC
SArtificial Sequence
Syn JP 2000342286-A/338
PD 12-DEC-2000
Draper, K.G.; Dadyktz, L.W., Macswigen, J.A., Maysejak, D.G., Holesek, J.J. and Mamone, A.J.
Holesek, J.J. and Mamone, A.J.
Method and reagent for inhibiting viral replication
RIBOZYME PHARMACEUTICALS INC
OS Artificial Sequence
No Jector 1000342285-A/338
PD 12-DEC-2000
PP 11-MAY-2000 JP 2000132616
PR 11-MAY-1992 US 07/882689,14-MAY-1992 US 07/8827
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07/884521
07/935854
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                             15-OCT-1992 US 07/963322,07-DEC-1992 US 07/9871
07-DEC-1992 US 07/987130,07-DEC-1992 US 07/9871
KENNETH G DRAPER,LEC W DADYKTZ,JAMES A MACSWIGEN, PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BD001607 12 bp RNA linear BMcthod and reagent for inhibiting viral replication. BD001607 1 G1:18626166 UP 2000342286-A/338.
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07/882883,14-MAY-1992 US
07/882889,14-MAY-1992 US
07/882899,14-MAY-1992 US
07/883849,14-MAY-1992 US
07/884074,14-MAY-1992 US
07/884422,14-MAY-1992 US
07/884422,14-MAY-1992 US
07/884436,14-MAY-1992 US
07/953738,26-MUS-1992 US
07/953732,07-DEC-1992 US
07/963130,07-DEC-1992 US
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    1.2
    forganism="synthetic construct"
/mol_type="genomic RNA"
    /db_xref="taxon:32630"

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11-MAY-1992 US 07/8826
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13-UUL-1992 US
15-OCT-1992 US
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PN JP 20003
PD 12-DEC-2
PF 11-MAY-2
PR 11-MAY-1992 U
14-MAY-1992 U
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C12N15/00,
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                                                                                                                                                                                                                                                                              Unclassified.

1 (bases 1 to 12)
Taylor, E.Will., Nadimpalli, R.Gopal. and Ramanathan, C.Sekar.
Selenoproteins, Coding sequences and methods
Patent: Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    42.0%; Score 8.4; DB 1; Length 12;
llarity 90.0%; Pred. No. 45;
Conservative 0; Mismatches 1; Indels
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With Unclassified.

E 1 (bases 1 to 12)

S Noteborn, M.H.M. and de Boer, G.F.

Cloning of chicken anemia virus DNA

AL Patent: US 6319693-A 10 20-NOV-2001,

Location/Qualifiers

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/wol_type="unassigned DNA"
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Sequence 10 from patent US 6319693.
AR178525.1 GI:20219663
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Sequence 68 from patent US 6303295.
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Best Local Similarity 90.0
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                   GGTCACATGG 16
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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REFERENCE AUTHORS TITLE JOURNAL FEATURES

RESULT 47
BD001178/C
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ORGANISM REFERENCE

RESULT 46 AR178525/c LOCUS DEFINITION

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PAT 31-JAN-2002

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Query Match
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Matches 9; Conservative
                          Query Match
Best Local Similarity 90.0
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A61K39/145, A61K39/21, A61K39/23, A61K39/245, A61K39/29, A61K48/00,
A61P1/16,
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synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 12)
Kishimoto,T., Niwa,S., Mori,Y., Sachiyo, Mimaki, Fukushima,R. and Nishikawa,R.
                                                                                                                                                                                                                                                           JAMES J HOLESEK, ANTHONY J MAMONE
C12N15/09, C12N5/10, C12N7/00//A61K38/43, A61K39/12, A61K39/13,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  31-MAR-2000 JP 2000096306
TOSHIHIKO KISHIMOTO, SHINICHIRO NIWA, YUKO MORI, SACHIYO PI
II, REI FUKUSHIMA,
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                                                                     07/884431 PR
07/884521 PR
07/935854 PR
07/948359 PR
07/987129 PR
07/987133 PI
                          07/884073
14-MAY-1992 US 07/882922,14-MAY-1992 US 07/883823
14-MAY-1992 US 07/88389,14-MAY-1992 US 07/8844073
14-MAY-1992 US 07/884421,14-MAY-1992 US 07/884433
14-MAY-1992 US 07/884421,14-MAY-1992 US 07/884431
14-MAY-1992 US 07/884436,14-MAY-1992 US 07/884421
31-JUL-1992 US 07/923738,26-MUG-1992 US 07/938859
07-DEC-1992 US 07/923738,26-MUG-1992 US 07/938859
07-DEC-1992 US 07/93732,07-DEC-1992 US 07/948359
07-DEC-1992 US 07/93732,07-DEC-1992 US 07/938133
MAYSEJAK,
PI JAMES J HOLESEK, ANTHONY J MAMONE
PC CIZNIS/09,CIZNIS/10,CIZNIS/00//A61K39/135,A61K39/125,A61K39/135,CIZNIS/10,CIZNIS/09/13/145,A61K39/23,A61K39/245,A61K39/22,A61P33/22,CICNIS/10,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS/00,CIZNIS
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    .12
    /organism='Artificial Sequence'.

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/organism='Artificial Sequence'
Location/Qualifiers
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/organism="synthetic construct"
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Similarity 90.0%;
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PN JP 2001279
PD 09-0001279
PF 31-MAR-200
PI TOSHIHIKO
MIMAKI, REI FUKN
PC C12NIS/09
Synthetic DNA
FH Key
FT source
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BD261806 12 bp DNA linear PAT 17-JUL-2003
Enhancement in protein production by higher plants using ubiquitin
or cucumber mosaic virus coating protein peptide.
BD261806
BD261806.1 GI:33071574
JP 2002532098-A/10.
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1 (bases 1 to 12)
Fang, R.X., Wu,J.L. and Chen, X.Y.
Enhancement in protein production by higher plants using ubiquitin or cucumber mosaic virus coating protein peptide
Patent: JP 2002532098-A 10 02-OCT-2002;
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                                                                                                                                                                                       Replication-deficient recombinant adenovirus having mutation major BD240723
                                                                                                                                                                                                                                                                                                                                                                              unclassified sequences.
I to Lases I to L3.
Brough, D.E. and Kovesdi, I.
Replication-deficient recombinant adenovirus having mutation major
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human adenovirus serotype 5
Human adenovirus serotype 5
19 200219036-A/2
24-JUN-1999 JP 2000557381
26-JUN-1999 US 09/105515
DOUGLAS BROUGH IRRE KOVESDI
C12N15/09, C12N5/10, C12N7/00//A61K35/76, A61K39/235, A61K48/00,
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Patent: JP 2002519036-A 2 02-JUL-2002;
GENVEC INC
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  Score 8.4; DI
Pred. No. 45;
                                     0; Mismatches
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/organism="unidentified"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SM Unknown.
Unclassified.
CE 1 (bases 1 to 12)
RS Brough, D.E. and Kovesdi, I.
Recombinant cell line produces adenoviral gene products E1 and DEF-A, and/or DEF-B
INAL Patent: US 6458578-A 2 01-OCT-2002;
GenVec, Inc.; Gaithersburg, MD
Location/Qualifiers
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42.0%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 45;
Matches 9; Conservative 0; Mismatches 1; Indels
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Best Local Similarity 90.0%; Pred. No. 45;
Matches 9; Conservative 0; Mismatches
                             /organism="unknown"
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Sequence 24 from patent US 6440719.
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Sequence 2 from patent US 6458578.
AR234464
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   Location/Qualifiers
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1 (bases 1 to 12)
Draper, K.G.
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               Plasmid DCL
JP 2002532098-A/10
02-OCT-2002
11-DEC-1998 JP 2000588378
RONG XIANG FANG, JUNG LIN WU, XIAO YING CHEN
CI2N15/09, A01H5/00, CO7K14/415, C07K19/00, C12N5/10, C12N15/00, PC
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Rattus mortacos, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Euarchontoglires, Glires, Rodentia,
Sciurognathi, Muroidea, Muridae, Murinae, Rattus.
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Regulatory elements in the 5' region of the vrl gene
Patent: WO 2004053120-A 258 24-JUN-2004;
Gruenental GmbH (DE)
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                                                                                                                                Joining region between fusion of genes.

Key
Location/Qualifiers
misc_feature (1). . (12).

Location/Qualifiers
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INSTITUTE OF MOLECULAR AGROBIOLOGY
OS Plasmid DCL
PN 4D 202532098-A/10
PD 02-OCT-2002
PF 11-DEC-1998 JP 2000588378
PI RONG XIANG FANG, JUNG LIN WU, XIANG PC CIRNIS/09, A01H5/00, C07K14/415, CC
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Noteborn, W.H.M. and de Boer,G.F.
Cloning of Chicken anaemia DNA
Patent: US 5491073-A 10 13.FEB-1996;
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Sequence 10 from patent US 5491073.
117542.
117542.1 GI:1597897

    .12
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Matches 9; Conservative
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    .12
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AR699868
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                        linear PAT 10-APR-2003
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Chu, B.Chen. Fei. and Orgel, L.
Oligonucleoride decoys and methods relating thereto
Patent: US 5683985-A 26 04-NOV-1997;
Location/Qualifiers
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Pred. No. 45;
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Noteborn, M.H.M. and De Boer, G.F.
Cloning of chicken anemia DNA
Patent: US 6509446-A 10 21-JAN-2003;
Leadd B.V.; Leiden;
                      Sequence 10 from patent US 6509446.
AR275829.1 GI:29709474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patent: US 5652144-A 3 29-JUL-1997;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 26 from patent US 5683985.
172395
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Sequence 3 from patent US 5652144.
I58612
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/organism="unknown"
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1 (bases 1 to 12)

Lu,Y. and Haseltine, W.A.

YC1 gene
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Best Local Similarity 90.0°
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Matches 9; Conservative
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  RESULT 56
AR275829/c
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Uhlmann, E. and Breipohl, G.
Polyamide-oligonucleotide derivatives, their preparation and use
Polyamide-oligonucleotide derivatives, Abrent: US 691941-A 38 19-JUL-2005;
Aventis Pharma Deutschland GmbH; Frankfurt;
                                                                                                                                                                                                                                                                                                                                                                            1 (bases 1 to 12)
Uhlmann, E., Breipohl, G. and Will, D.W.
Polyamide nucleic acid derivatives and agents and processes for
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Query Match
42.0%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 45;
Matches 9; Conservative 0; Mismatches 1; Indels
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Patent: US 6777544-A 54 17-AUG-2004;
Aventis Pharma Deutschland GmbH; Frankfurt;
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Sequence 54 from patent US 6777544.
AR577337
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Sequence 38 from patent US 6919441.
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PAT 11-APR-2003
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synthetic construct
other sequences, artificial sequences.

1 (bases I and Bauer, D.
Strauss, M. and Bauer, D.
COMPLEX DIAGNOSTIC AGENT OF GENETIC EXPRESSION AND MEDICAL
DIAGNOSTIC AD SOLARION PROCESS USING SAID DIAGNOSTIC AGENT
Patent: WO 9426928-A 24 24-NOV-1994;
MAX PLANCK GESELLSCHAFT (DE)
Other publication DE 4317414 940421.
                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Herpes simplex virus unknown type
Herpes simplex virus unknown type
Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
Alphaherpesvirinae; Simplexvirus; unclassified Simplexvirus.
Polyamide nucleic acid derivatives, agents and methods for
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                                                                                 1. .12
/organism="synthetic construct"
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/notb="researcheibung der kuenstlichen Sequenz:
Oligonukleotide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Herpes simplex virus unknown type"
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                                                                                                                                                                                               Length 12;
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DNA
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               producing the same
Patent: WO 0179249-A 50 25-OCT-2001;
Aventis Pharma Deutschland GmbH (DE)
Location/Qualifiers
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Sequence 360 from Patent EP1288296.
AX711060 G1:29787441
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Sequence 24 from Patent WO9426928.
A41398
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Uhlmann, E. and Breipohl, G.
Polyamide-oligonucleotide derivatives, their preparation and use Patent: US 6919441-A 49 19-JUL-2005;
Aventis Pharma Deutschland GmbH; Frankfurt;
                                                                                                                                                                              1 (bases 1 to 12)
Uhlmann, E. and Breipohl, G.
Polyamide-oligonucleotide derivatives, their preparation and use
Patent: US 6919441-A 48 19-JUL-2005,
Aventis Pharma Deutschland GmbH; Frankfurt;
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synthetic construct
other sequences; artificial sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 49 from patent US 6919441.
                                          12 bp
Sequence 48 from patent US 6919441.
AR699877
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Sequence 50 from Patent WO0179249.
AX283286
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    12
    /organism="unknown"
    /mol_type="genomic DNA"

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Best Local Similarity 90.0
Matches 9; Conservative
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AR699878/c
LOCUS
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KEYWORDS
                AR699877
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ORGANISM
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AUTHORS
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JOURNAL
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AX283286
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Gaps

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PAT 17-JUL-2003

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C12N15/09, C12N15/09, A61K39/00, A61P35/00, A61P37/04, C12N1/15, PC
                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.

I (bases 1 to 10)

Roberts, B.L. and Shankara, S.
Preparation and use of superior vaccines
Patent: JP 2002534056-A 124 15-OCT-2002;
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60/080079
60/080072
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/organism='Homo sapiens (human)'
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Preparation and use of superior vaccines
Key
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60/090031,19-UUN-1998 US
60/090031,19-UUN-1998 US
60/090031,19-UUN-1998 US
60/08992,19-UUN-1998 US
60/09000,19-UUN-1998 US
60/0900042,19-UUN-1998 US
60/0900044,19-UUN-1998 US
60/090004,19-UUN-1998 US
60/090006,19-UUN-1998 US
60/090006,19-UUN-1998 US
60/090006,19-UUN-1998 US
60/0900078,19-UUN-1998 US
60/0900078,19-UUN-1998 US
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40.0%; Score 8; DB 1;
100.0%; Pred. No. 35;
iive 0; Mismatches
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100.0%; Pred. No. 35;
tive 0; Mismatches
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/organism="Homo sapiens"
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JP 2002534056-A/124
15-CCT-2000
18-JUN-1999 UP 2000554749
19-JUN-1998 US 60/090039
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JP 2002534056-A/124.
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Homo sapiens
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Best Local Similarity 100.
Matches 8; Conservative
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BD238706
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1 (bases 1 to 10)

Matsushima,K., Hashimoto,S., Suzuki,T. and Nagai,S.

Matsushima,K., Hashimoto,S., Suzuki,T. and Nagai,S.

Matsushima,R., Hashimoto,S., Suzuki,T. and Nagai,S.

Matsushima,R., Hashimoto,S., Suzuki,T. and Nagai,S.

Patent: JP 2001327293-A 298 27-NOV-2001;

JP 2001327293-A/298

PD 27-NOV-2001

PP 22-MAY-2000 JP 2000150562

PI XOJI MATSUSHIMA,SHINICHI HASHIMOTO,TAKUJI SUZUKI,SHIGENORI PI
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Mammalia; Eutheria; Buarchontoglires; Primates; Catarrhini;
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(Jases 1 to 10)

(Jases 1 to 10)

(Massan, S.M., Nallur, G.N. and Kulkarni, P.

Multiple selection process for binding sites of DNA-binding proteins
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Human matured/activated dendritic cell expression genes.
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40.0%; Score 8; DB 1
Best Local Similarity 100.0%; Pred. No. 35;
Matches 8; Conservative 0; Mismatches
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Location/Qualifiers

    .10
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/mol_type="unassigned DNA"

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Sequence 22 from patent US 5861246.
AR030211
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/db_xref="taxon:32630"

    .10
    /organism="Homo sapiens"
/mol_type="genomic DNA"
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JP 2001327293-A/298.
Homo sapiens (human)
Homo sapiens
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PAT 17-JUL-2003

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BD106575.1 G1:23201393
S JP 200250244-A/69.
Synthetic construct
synthetic construct
other sequences, artificial sequences.

I (bases 1 to 11)
SS Murphy, B.R., Collins, P.L., Durbin, A.P., Skiadopoulos, M.H. and Ta, T.
Production of attenuated parainfluenza virus vaccines from cloned
nucleotide sequence
AL PERGOS202241-A 69 22-JAN-2002;
THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY
THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY
THE ACT 2002502241-A/69
DD 22-JAN-2002
PF 22-MAY-1998 JP 1998550704
PF
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BD106575
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unclassified.
1 (bases 1 to 10)
Shimamoto, A., Furuichi, Y., Shibata, Y., Funaki, H., Ohara, E. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Watahiki,M.
Method for synthesizing cDNA from mRNA sample
Patent: US 6544736-A 206 08-ARR-2003;
Nippon Gene Co., Ltd. and Agene Research Institute Co., Ltd.;
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40.0%; Score 8; DB 1;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 8; Conservative 0; Mismatches
                                                                                  40.0%; Score 8; DB 1;
llarity 100.0%; Pred. No. 35;
Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                       Sequence 206 from patent US 6544736.
    1. .10
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/mol_type="unassigned DNA"
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/organism="unknown"
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Best Local Similarity
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Preparation and use of superior vaccines.
BD240099 BD240099.1 GI:33049869
JP 2002534056-A/1517.
Homo sapiens (human)
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Buarchontoglires, Primates, Catarrhini,
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1 (bases 1 to 10)

Roberts, B.L. and Shankara, S.

Preparation and use of superior vaccines
Patent: JP 2002534056-A 1517 15-OCT-2002;

GENZYME CORP
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1 (bases 1 to 10)
Li,K., Rouse,D.T. and German,T.L.
Assay for verticillium dahliae
Patent for $557671-A 17 18-JUN-1996;
Location/Qualifiers
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100.0%; Pred. No. 35;
iive 0; Mismatches
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Sequence 17 from patent US 5527671.
122203.
122203.1 GI:1602557
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Best Local Similarity 100.
Matches 8; Conservative
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Mammalia; Eutheria; Buarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                                                                              (Dases I to 11)
Hester,J.D., Lindquist,H.D.A. and Schaefer,F.W. III.
In-situ hybridization probes for the detection of microsporidial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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              Gaps
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Method for determining skin stress or skin ageing in vitro
Patent: WO 02053773-A 1326 11-JUL-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
 Pred. No. 44;
                                                                                                                                                                                                                                                                                                                                               Patent: US 6855498-A 20 15-FEB-2005;
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
                                                                                                                                                11 bp
Sequence 20 from patent US 6855498.
AR636603.
AR636603.1 GI:62769610
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Similarity 100.0%; Pred. No. 44;
8; Conservative 0; Mismatches
              0; Mismatches
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/mol_type="unassigned RNA"
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Best Local Similarity 100.0%;
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              8; Conservative
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                                             13 ATGGATGA 20
                                                                                                                                                                                                                                                                    Unclassified.
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Matches 8; Conserve
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Best Local Similarity
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AX472076/c
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AR636603
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
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Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Sciurognathi; Muroidea; Muridae; Murinae; Mus.
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Method for determining hair cycle markers
Patent: WO 2005028671-A 520 31-MAR-2005,
Henkel Kommanditesealschaft auf Aktien (DE)
Location/Qualifiers
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Regulatory elements in the 5' region of the vrl gene
Patent: WO 2004053120-A 443 24-JUN-2004;
Gruenental GmbH (DE)
Location/Qualifiers
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    .11
    ^organism="synthetic construct"
/mol_type="genomic DNA"
    /db_xref="taxon:32630"

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Sequence 443 from Patent WO2004053120.
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                                                                                          40.0%; Score 8; DB 1;
100.0%; Pred. No. 44;
ive 0; Mismatches
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/organism="Mus musculus"
/mol Lype="unassigned DNA"
/db xref="taxon:10090"
/noTe="V$APIFJ Q2"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
ocation/Qualifiers
                                                                                                                                                                                                                                                                                                                                                    Mus musculus (house mouse)
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                                                                                          Query Match
Best Local Similarity 100.
Matches 8; Conservative
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Best Local Similarity
Matches 8, Conserv
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CQ828725/c
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PAT 18-SEP-2002
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Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Sciurognathi; Muroidea; Muridae; Musinae; Mus.
1 (bases 1 to 11)
Katz, E.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C12N15/09, A01K67/027, C12N5/10, C12Q1/68, G01N33/50, C12N15/00,
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     Mammalia, Eutheria, Euarchontoglires; Primates; Catarrhini;
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Patent: JP 2002503460-A 61 05-FEB-2002;
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                                                                         Petersohn, D., Conradt, M. and Hofmann, K. Method for determining homeostasis of the skin Patent: WO 02053774-A 5133 11-JUL-2002; Henkel Kommanditgeeellschaft auf Aktien (DE) Location/Qualifiers
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Compositions and method for healing wound.
BD124372.1 GI:23219317
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Best Local Similarity 100.0%; Pred. No. 44;
Matches 8; Conservative 0; Mismatches
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0; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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39.0%; Score 7.8;
Best Local Similarity 81.8%; Pred. No. 49
Matches 9; Conservative 0; Mismatche
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/organism="Mus musculus"
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/db_xref="taxon:10090"
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JP 2002503460-A/61.
Mus musculus (house mouse)
Mus musculus
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                            Hominidae; Homo.
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Warayota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mamalla, Butheria, Buarchontoglires, Primates, Catarrhini,
Hominidae, Homo
                                                                                                                                                    Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini;
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Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
                                                                                                                                                                                                                                                  Hustert, E., Haberl, M. and Wojnowski, L.
Identification of the genetic determinants of the polymorphic cyp3a5 expression
Expression
Patent: WO 20253775-A 67 11-JUL-2002;
PRIDAUROS BIOTECHNOLOGIE AG (DE)
Location/Qualifiers
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Identification of the genetic determinants of the polymorphic cypias expression
Patent: WO 02053775.4 79 11-JUL-2002,
EPIDAUROS BIOTECHNOLOGIE AG (DE)
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100.0%; Pred. No. 44;
tive 0; Mismatches
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Sequence 79 from Patent WO02053775.
AX472088
AX472088.1 GI:22207129
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/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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  Sequence 67 from Patent W002053775.
AX472076
AX472076.1 GI:22207117
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Best Local Similarity 100.
Matches 8; Conservative
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Best Local Similarity
Matches 8; Conserva
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PAT 29-JUL-2004

SOURCE ORGANISM

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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Method for determining the homeostasis of hairy skin Patent: WO 2004059002-A 708 15-JUL-2004;
Henkel Kommandiegesellschaft auf Aktien (DE)
Location/Qualifiers
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               linear
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Sequence 708 from Patent WO2004059002.
CQ833337
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       Sequence 251 from Patent WO2004059002.
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Pred. No. 49;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
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CQ837472
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CQ832880
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                              Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires; Rodentia,
Sciurognathi, Muroidea, Muridae, Murinae, Mus.
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                                                                                                                                   Compositions and method for healing wound Patent: JP 2002503460-A 203 05-FEB-2002; THE WISTAR INSTITUTE
OS Mus musculus (mouse)
PN JP 2002503460-A/203
PD 05-FEB-2002
PF 12-FEB-1999 JP 2000531545
PR 13-FEB-1999 US 60/074737,26-AUG-1998 US 28-SEP-1999 US 60/102051
PI ELLEN HEBER KATZ
PC CINIS/09,A01K67/027,C12N5/10,C12Q1/68,G01N33/
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Sequence 153 from Patent WO2004059002.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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    .11
    /organism="Mus musculus"
/mol_type="genomic DNA"
/db_xref="taxon:10090"

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JP 2002503460-A/203.
Mus musculus (house mouse)
Mus musculus
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CQ832782.1 GI:50832389
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81.8%;
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Matches 9; Conservative
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CQ832782/c LOCUS

RESULT 82

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FEATURES

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PAT 29-JUL-2004

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PAT 29-JUL-2004

Homo sapiens (human)

RESULT 83

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PAT 12-JUN-2003

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Unclassified.

1 (Dases 1 to 11)

Harmon, B.G., Jackwood, M.W. and Brockus, C.W.

Harmon, B.G., Jackwood, M.W. and Brockus, C.W.

DNA encoding an avian beta-defensin and uses thereof

Patent: US 6545140-A 54 08-APR-2003;

University of Georgia Research Foundation, Inc.; Athens,

Location/Qualifiers
                                                                                                    Query Match 39.0%; Score 7.8; DB 1; Length 11; Best Local Similarity 81.8%; Pred. No. 49; Aatches 9; Conservative 0; Mismatches 2; Indels
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Patent: US 6538173-A 203 25-MAR-2003;
The Wistar Institute; Philadelphia, PA;
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Sequence 203 from patent US 6538173.
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Sequence 54 from patent US 6545140.
AR305523
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/organism="unknown"
/mol_type="unassigned RNA"
                                             /organism="unknown"
/wol_type="genomic DNA"
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/organism="unknown"
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Best Local Similarity 81.0.
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1 (bases 1 to 11)
Heber-Katz, E.
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Best Local Similarity 81.8
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AR305523/c
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              Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Euarchontoglires, Primates, Catarrhini,
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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                                                                                Petersohn, D., Schlotmann, K., Gassenmeier, T., Holtkoetter, O., Conradt, M. and Hofmann, K. Method for determining markers of human facial skin Mathod for determining markers of human facial skin Patent: WO 2004059001-A 2530 15-UUL-2004; Henkel Kommanditgesellschaft auf Aktien (DE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Holtkoetter, O., Petersohn, D., Schlotmann, K., Giesen, M. and Kessler-Becker, D.
Method for determining hair cycle markers
Petent: WO 2005028671-A 535 31-MAR-2005;
Henkel Kommandigesellschaft auf Aktien (DE)
Location/Qualifiers
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39.0%; Score 7.8; DB 1; Length 11;
Best Local Similarity 81.8%; Pred. No. 49;
Matches 9; Conservative 0; Mismatches 2; Indels
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Patent: US 6538173-A 61 25-MAR-2003;
The Wistar Institute; Philadelphia, PA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CS058638 11 bp DNA Sequence 535 from Patent WO2005028671. CS058638 GI:62551821
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/organisma"Homo sapiens"
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Heber-Katz, E.
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                                                    Hominidae; Homo.
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 Homo sapiens
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini;
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Pred. No. 49;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Petersohn, D., Conradt, M. and Hofmann, K. Method for determining homeostasis of the skin Patent: WO 02053774-A 1309 11-JUL-2002; Henkel Kommanditgesellschaft auf Aktien (DE) Location/Qualifiers
Method for determining homeostasis of the skin
Patent: WO 02053774 + 101 11-JUL-2002;
Henkel Kommanditgesellschaft auf Aktien (DE)
Location/Qualifiers
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    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

                                                                                         /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol type="unassigned DNA"
/db_xref="taxon:9606"
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81.8%;
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1 (bases 1 to 11)
Chengy Y.-c., Lukhtanov, E.A., Meyer, R.B. Jr., Pai, B.S., Reed, M.W.
and Zhou, J.H.
Sterol modified oligonucleotide duplexes having anticancer activity
Patent: US 5646126-A 4 08-JUL-1997;
Location/Qualifiers
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Soghbi,H.Y., Van den Veyver,I.B., Amir,R. and Francke,U.
Zoghbi,H.Y., Van den Veyver,I.B., Amir,R. and Francke,U.
Method of screening Rett syndrome by detecting a mutationrin MECP2
Patent: US 6709817-A 98 23-MAR-2004;
Baylor College of Medicine; Houston, TX
Location/Qualifiers
                                                           PAT 07-0CT-1997
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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                                                               DNA
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Sequence 4 from patent US 5646126.
154914
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81.8%;
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Homo sapiens
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Matches 9; Conservative
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini;
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                                                                                                                                                                                                                                 Petersohn, D., Conradt, M. and Hofmann, K. Method for determining homeostasis of the skin Patent: WO 02053774-A 4410 11-JUL-2002; Henkel Kommanditgesellschaft auf Aktien (DE) Location/Qualifiers
                                               AA62/369 11 bp DNA Sequence 4410 from Patent WO02053774.
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Sequence 4964 from Patent WO02053774.
AX627923
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Sequence 4765 from Patent WO02053774.
AX627724
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini;
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              39.0%; Score 7.8; DB 1; Length 11; 81.8%; Pred. No. 49; ive 0; Mismatches 2; Indels
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Method for determining homeostesis of the skin
Patent: WO 02053774-A 3566 11-JUL-2002;
Henkel Kommanditgeeellschaft auf Aktien (DE)
Location/Qualifiers
                                                                                                                                                                                            Sequence 3566 from Patent WO02053774.
AX626525.1 GI:28454563
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AK626963.1 GI:28455001

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Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini,
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                                                                                   1; Length 11;
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Sequence 9577 from Patent WO02053774.
AX632535
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                                                                                   Score 7.8; DB Pred. No. 49; 0; Mismatches
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/organism="Homo sapiens"
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Matches 9; Conservative
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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Matches 9; Conservative 0; Mismatches 2; Indels
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Pred. No. 49;
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Method for determining homeostasis of the skin
Patent: WO 02053774-A 7522 11-JUL-2002;
Henkel Kommanditgesellschaft auf Aktien (DE)
Location/Qualifiers
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                                                                     Petersohn, D., Conradt, M. and Hofmann, K. Method for determining homeostasis of the skin Patent: WO 02053774-A 4964 11-JUL-2002; Henkel Kommanditgesellschaft auf Aktien (DE) Location/Qualifiers
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Sequence 5393 from Patent W002053774.
AX628352 GI:28456390
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Best Local Similarity 81.8%;
Matches 9; Conservative
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1 (bases 1 to 10)

Matsushima,K., Hashimoto,S. and Suzuki,T.

Pac activated human monocyte expressing genes
Patent: JP 200106999-A 101 21-MAR-2001;
JAPAN SCIENCE AND TECHNOLOGY CORP
OS Homo sapiens (human)
DN JP 2001069993-A/101
PD 21-MAR-2000
PN JP 2001069091-A/101
PP 28-AFR-2000 JP 2000131079
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37.0%; Score 7.4; DB 1; Length 10;
Best Local Similarity 88.9%; Pred. No. 48;
Matches 8; Conservative 0; Mismatches 1; Indels
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LPS activated human monocyte expressing genes.
BD007825
                                                                            Unclassified.
1 (bases 1 to 10)
Bloom,D., Fathman,C.Garrison. and Slaymaker,S.
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Chen.L.Bo., Bao,S. and Liu,Y.
Nucleic acids encoding tumor marker
Patent: US 5872235-A 16 16-FEB-1999;
Location/Qualifiers
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Sequence 16 from patent US 5872235.
AR036563. GI:5953231
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                                                                                                                       Anergy genes
Patent: US 5/47299-A 3 05-MAY-1998;
Location/Qualifiers
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JP 2001069993-A/101.
Homo sapiens (human)
Homo sapiens
             AR004936.1 GI:3965815
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AR004936
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AR036563/c
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BD007825/c
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Position dependent recognition of gnn nucleotide triplets by zinc fingers
Patent: WO 0242459-A 2495 30-MAY-2002;
Sangamo Biosciences Inc. (US)
Location/Qualifiers
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Destrion dependent recognition of gnn nucleotide triplets by zinc fingers
fingers
Patent: WO 0242459-A 2496 30-MAY-2002;
Sangamo Blosciences Inc. (US)
Location/Qualifiers
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37.0%; Score 7.4; DB 1; Length 9;
Best Local Similarity 88.9%; Pred. No. 3.8e+02;
Matches 8; Conservative 0; Mismatches 1; Indels
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/note="example target DNA"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Sequence 2496 from Patent WO0242459.
AX669047
AX669047.1 GI:29292024
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Sequence 2495 from Patent W00242459.
AX669046.1 GI:29292023
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LOCUS AR004936 10 bp
DEFINITION Sequence 3 from patent US 5747299.
4 CATGGTCACAT 14
                  1 CATCGTTACAT 11
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Location/Qualifiers
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0; Mismatches

    .10
    /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

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/organism="Homo sapiens"
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JP 2002186482-A/82.
Homo sapiens (human)
Homo sapiens
Homo sapiens (human)
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Best Local Similarity 88.9
Matches 8; Conservative
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Saccharomyces cerevisiae (baker's yeast)
Saccharomyces cerevisiae
Saccharomyces cerevisiae
Bukaryota; Fungi; Ascomycota; Saccharomycetes;
Saccharomycestales; Saccharomycetaces; Saccharomyces.

1 (bases 1 to 10)
Saccharomyces transcriptome
Characterization of the yeast transcriptome
Datent; JP 2001509017-A 281 10-JUL-2001;
THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
OS Saccharomyces cerevisiae (yeast)
PR 22-JAN-1998 JP 1998532117
PR 22-JAN-1999 US 60/035917
PR 22-JAN-1997 US 60/035917
PR 22-JAN-1999 US 60/035917
PR 22-JAN-1999 US 60/035917
PR 22-JAN-1999 US 60/035917
PR 22-JAN-1997 US 60/035917
PR 22-JAN-1998 US 60/035917
PR 22-JAN-1997 US 60/035917
PR 22-JAN-1999 US 60/035917
PR 22-JAN-1999 US 60/035917
PR 22-JAN-1999 US 60/035917
PR 22-JAN-1997 US 60/035917
PR 22-JAN-1998 US
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                       KOJI MATSUSHIMA, SHINICHI HASHIMOTO, TAKUJI SUZUKI PC
5/09, COTK14/47, COTK16/18, GOIN33/50, GOIN33/53//A61K45/00, PC
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/organism='Homo sapiens (human)'.
Location/Qualifiers
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/organism="Saccharomyces cerevisiae"
/mol type="genomic DNA"
/db_xref="taxon:4932"
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Characterization of the yeast transcriptome.
BD065345
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Pred. No. 48;
0; Mismatches
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88.9%; Pred. No. 48;
tive 0; Mismatches
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/organism="Homo sapiens"
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P53-induced apoptosis.
BD091128.1 G1:22636738
JP 2001523441-A/6.
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88.9%;
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Matches 8; Conserv
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Best Local Similarity
Matches 8; Conserv
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A61P29/
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BD065345/c
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BD091128/c
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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Nagai,S., Matsushima,K. and Hashimoto,S.

Nagai,S., Matsushima,K. and Hashimoto,S.

Human activated Th1 and Th2 cell expression genes

Patent: JP 2002186482-A 82 02-JUL-2002;

JAPAN SCIENCE AND TECHNOLOGY CORP

OS Homo sapiens (human)

PN JP 2002186482-A/82

PD 02-JUL-2002

PP 19-DEC-2000 JP 2000385816

PI 19-DEC-2000 JP 2000385816

PI SHIGENORI NAGAI,KOJI MATSUSHIMA,SHINICHI HASHIMOTO PC

C12N15/09,C07K14/47,C07K16/18,C12P21/08,C12N15/00 CC Human activated Th1 and Th2 cell expression genes FH Key
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                                                      Hominidae, Homo.

1 (bases 1 to 10)

5 Vogelstein, B., Kinzler, K.W. and Polyak, K.

P53-induced apoptosis

Patent: JP 200152341-A 6 27-NOV-2001;

THE JOHNS HOPKINS UNIVERSITY
OS Homo sapiens (human)

N JP 200152341-A/6

PD 27-NOV-2001

PP 17-SEP-1999 JP 2000511894

PR 17-SEP-1997 US 60/059183, 30-MAR-1998 US 60/07

PR 17-SEP-1997 US 60/059184

C12Q1/68, C07K16/32, C12P21/08//C12N15/09, C12N15/00 CC Pappoptosis
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Location/Qualifiers
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   37.0%; Score 7.4; DB 1; Length 10; 88.9%; Pred. No. 48;
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Gaps

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1 (bases 1 to 10)
Matsushima,K., Hashimoto,S., Kaneko,S. and Yamashita,T.
Human liver disease-expressing genes
          /organism='Homo sapiens (human)'. Location/Qualiflers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ce 1. .10 /organism='Homo sapiens (human)'. Location/Qualifiers
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BD166762. GI:27872574
JP 2002209591-A/307. unidentified
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88.9%; Pred. No. 48;
tive 0; Mismatches
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88.9%; Pred. No. 48;
Live 0; Mismatches
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                           1. .10
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1. .10
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JP 2002209591-A/135.
unidentified
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Best Local Similarity 88.2.
Best Local 8; Conservative
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Best Local Similarity 88.9
Matches 8; Conservative
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BD166762/c
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini;
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Nagal, S., Matcushima, K. and Hashimoto, S.

Nagal, S., Matcushima, K. and Hashimoto, S.

Human activated Thi and Th2 cell expression genes

Patent: JP 2002186482-A 204 02-JUL-2002;
JAPAN SCIENCE AND TECHNOLOGY CORP
OS Homo sapiens (human)

PN JP 2002186482-A/204

PP 19-DEC-2000 JP 2000385816

PF 19-DEC-2000 JP 2000385816

PI SHIGENORI NAGAL, KOJI MATSUSHIMA, SHINICHI HASHIMOTO PC.

CI2NIS/09,CO7K14/47,CO7K16/18,CI2P21/08,CI2NIS/00 CC Human

activated Thi and Th2 cell expression genes FH Key

Location/Qualifiers

1. 10

FT SOURCE (human)

/organism='Homo sapiens (human)'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              unclassified sequences.

1 (bases 1 to 10)

Matsushima, K., Hashimoto, S., Kaneko, S. and Yamashita, T.

Human liver disease-expressing genes

Patent: JP 2002209591-A 68 30-JUL-2002;

JAPAN SCIENCE AND TECHNOLOGY CORP

OS HOMO sapiens (human)

PN JP 2002209591-A/68

PN JP 2002209591-A/68

PP 19-JAN-2001

PP 19-JAN-2001

PP 19-JAN-2001 JP 201012328

PI KOJI MATSUSHIMA, SHINICHI HASHIMOTO, SHUICHI KANEKO, TARC
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   37.0%; Score 7.4; DB 1; Length 10; 88.9%; Pred. No. 48; tive 0; Mismatches 1; Indels
                                                                                          10 bp DNA linear Human activated Thi and Th2 cell expression genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C12P21/08,
C12N15/00
Human liver disease-expressing genes
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10 bp DNA Human liver disease-expressing genes. BD166523

    .10
    /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

                                                                                                                                               BD161382.1 GI:27867140
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JP 2002209591-A/68.
                                                                                                                                                           UP 2002186482-A/204.
Homo sapiens (human)
Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 88.9
Matches 8; Conservative
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CATGGTCAC 12
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                          cgreercac 1
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BD166523/c
LOCUS
BETNITION
ACCESSION
VERGION
VERGION
CONTROL
ORGANISM
ORGANISM
                                                                                                               DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
                                                                      RESULT 112
BD161382/c
LOCUS
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AUTHORS
TITLE
JOURNAL
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AUTHORS
TITLE
JOURNAL
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Gaps

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PCA2501 gene
Patent: WO 0238763-A 3 16-MAY-2002;
JAPAN IMMUNORESEARCH LABORATORIES CO LTD, HIDEYUKI ASAOKA, KENTA
SARARAZU ADACHI, KAZUO MIYANAGA
OS Artificial Sequence
NO 0238763-A/3
PD 16-MAY-2002
PP 31-OCT-2001 WO 2001JP009545
PR 09-NOV-2000 JP 00P 341998
PI HIDEYUKI ASAOKA, KENTA KANEDA, MASAKAZU ADACHI, KAZUO MIYANAGA PC
C12N15/12_C12Q1/68, A61K48/00
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                                                                                                                                                        unidentified
unclassified sequences.

In (bases 1 to 10)

Matsushima, K., Hashimoto, S., Kaneko, S. and Yamashita, T.
Human liver disease-expressing genes
patent: JP 2002209591-A 785 30--UL-2002;
JAPAN SCIENCE AND TECHNOLOGY CORP
OS Homo sapiens (human)
PN JP 2002209591-A/785
PP 19-JAN-2001 JP 2001012328
PP 19-JAN-2001 JP 2001012328
PP 19-JAN-2001 MATSUSHIMA, SHINICHI HASHIMOTO, SHUICHI KANEKO, TARO PI
                                        PAT 17-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                             C12N15/09, C07K14/47, C07K16/18, G01N33/15, G01N33/50//C12P21/02,
C12P21/08,
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Location/Qualifiers
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Pred. No. 48;
0; Mismatches 1; Indels
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                                          linear
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1 (bases 1 to 10)
Asaoka,H., Kaneda,K., Adachi,M. and Miyanaga,K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human liver disease-expressing genes
Key Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
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                                                 עי שע אי Human liver disease-expressing genes.
BD167240
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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                                                                                                  DD167240.1 GI:27873052
JP 2002209591-A/785.
unidentified
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WO 0238763-A/3.
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synthetic construct
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BD167877
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Best Local Similarity
Matches 8; Conserv
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                                          BD167240
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ORGANISM
                      BD167240/C
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
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BD167877/c
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                                                                                                                                                                     ORGANISM
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VERSION
KEYWORDS
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TITLE
JOURNAL
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AUTHORS
TITLE
JOURNAL
  RESULT 117
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JAPAN SCIENCE AND TECHNOLOGY CORP
JAPAN SCIENCE AND TECHNOLOGY CORP
Solved Home (human)
BN JP 200220591-A/307
BD 30-JUL-2002
PF 19-JAN-2001 JP 2001012328
PI KOJI MATSUSHIMA, SHINICHI HASHIMOTO, SHUICHI KANEKO, TARO PI YAMASHITA
PC C12N15/00
PC T18P21/08
PC T18P21/01
PC T18P21/02
PC T18P21/02
PC T18P21/02
PC T18P21/02
PC T18P21/03
PC T18P21/0
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                                                                                                                                                                       C12N15/09, C07K14/47, C07K16/18, G01N33/15, G01N33/50//C12P21/02,
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/organism='Homo sapiens (human)'.
Location/Qualifiers
                                                                                                                                                                                                                                                                          ce 1. .10 /organism='Homo sapiens (human)'.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 7.4; DB 1; Length 10;
Pred. No. 48;
0; Mismatches 1; Indels
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

    .10
    /organism="unidentified"
    /mol_type="genomic DNA"
    /db_xref≂"taxon:32644"

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Best Local Similarity 88.9%;
Matches 8; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JP 2002209591-A/667 unidentified
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CAGGGTCAC 1
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Best Local Similarity
Matches 8; Conserv
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ACCESSION
VERSION
KEYWORDS
SOURCE
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BD167122/c
LOCUS
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AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE
JOURNAL
    JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURES
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/organism="synthetic construct"

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PAT 17-JUL-2003
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                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Mominidae; Homo.

1 (bases 1 to 10)

Roberts, B.L. and Shankara, S.
Preparation and use of superior vaccines
Patent: JP 2002534056-A 1279 15-OCT-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BD240651
Preparation and use of superior vaccines.
BD240651
BD240651
BD240651
JP 200253405-4/2069.
Homo sapiens (human)
Homo sapiens (human)
Evaryoris, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
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60/080993
60/080993
60/090048
60/090048
60/089844
60/089844
60/089844
60/089844
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Length 10;
                                                         linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 US 60/090039,19-UUN-1998 US 60/090041,19-UUN-1998 US 60/090041,19-UUN-1998 US 60/090035,19-UUN-1998 US 60/090035,19-UUN-1998 US 60/0900035,19-UUN-1998 US 60/0900045,19-UUN-1998 US 60/090042,19-UUN-1998 US 60/090044,19-UUN-1998 US 60/090044,19-UUN-1998 US 60/090044,19-UUN-1998 US 60/090076,19-UUN-1998 US
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                                          10 bp DNA Preparation and use of superior vaccines. BD239861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BRUCE L ROBERTS, SRINIVAS SHANKARA
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88.9%; Pred. No. 48;
Live 0; Mismatches
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens (human)
JP 2002534056-A/1279
15-OCT-2002
18-JUN-1999 JP 2000554749
19-JUN-1998 US 60/090039
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                                                                                                                                       BD239861.1 GI:33049631
JP 2002534056-A/1279.
Homo sapiens (human)
Homo sapiens
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Best Local Similarity 88.9
Matches 8; Conservative
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PN 15-0CT-20534(
PD 15-0CT-1999
PR 18-UUN-1999
PR 19-UUN-1998 US
PT-UUN-1998 US
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BD240651/c
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                        BD239861/C
LOCUS
DEFINITION
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RESULT 120
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| 1 (bases 1 to 10) |
| 1 (bases 1 to 10) |
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| 8 (bases 1 to 10) |
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| 1 (bases 1 to 10) |
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                                                                                                                                             Gaps
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                                                                              Query Match
37.0%; Score 7.4; DB 1; Length 10;
Best Local Similarity 88.9%; Pred, No. 48;
Matches 8; Conservative 0; Mismatches 1; Indels
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C C12N15/00,C12NS/00,C12N15/00
C Preparation and use of superior vaccines
... **v
                                                                                                                                                                                                                                                                                                                                                                                                        BD238612 10 bp DNA Proparation and use of superior vaccines.

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/mol_type="genomic DNA"
/db_xref="taxon:9606"

/mol_type="genomic DNA"
/db_xref="taxon:32630"
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BD238612.1 GI:33048382
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Homo sapiens (human)
Homo sapiens
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Best Local Similarity 88.9
Matches 8; Conservative
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A61K39/395, A61P31/04, A61P31/10, A61P31/12, A61P35/00, C12N5/10,
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                      Location/Qualifiers

    10
    forganism="synthetic construct"
/mol type="genomic DNA"
    /db_xref="taxon:32630"

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other sequences; artificial sequences.
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G01N33/574,C12N15/00,C12N5/00
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CQ858078/c
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C12N15/09, C12N15/09, A61K39/00, A61P35/00, A61P37/04, C12N1/15, PC
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CI2N15/09, A01K67/027, A61K35/76, A61K39/00, A61K39/04, A61K39/12,
A61K39/395,
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Key
| (bases 1 to 10) | Roberts, B.L. and Shankara, S. Preparation and use of superior vaccines Patent: JP 2002534056-A 2069 15-OCT-2002; GENZYME CORP | OS Homo sapiens (human) | PD 15-OCT-2002 | PD 15-OCT-2002 | PD 15-OCT-2002 | PF 18-JUN-1999 JP 2000554749 | PT 19-JUN-1999 JP 19-JUN-1999 JP
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UNIVERSITY OF ROCHESTER
OS Artificial Sequence
PN JP 2002529082-A/19
PD 10-SEP-2002
PF 10-NOV-1998 JP 2000581183
PI MAURICE ZAUDERER
PC C12N15/09,A01K67/027,A61K35/76,A61K39
PC A61K39/395,
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synthetic construct
other sequences; artificial sequences.
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C12N15/00,C12N5/00,C12N15/00

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JP 2002529082-A/19.
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Best Local Similarity 88.9
Matches 8; Conservative
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19-JUN-1998 US
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Pred. No. 48;
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/organism="synthetic construct"
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/moref="taxon:32630"
/noTe="5-intron/exon, exon 1, gene ABTB1"
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Nucleic acid-lipophilic conjugates
Patent: WO 2005030259-A 71 07-APR-2005;
Coley Pharmaceutical Group, Inc. (US); Coley Pharmaceutical GmbH (DE)
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Nucleic acid-lipophilic conjugates
Patent: WO 2005030259-A 71 07-APR-2005;
Coley Pharmaceutical Group, Inc. (US); Coley Pharmaceutical GmbH (DE)
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                                                                                                                                           Sequence 71 from Patent WO2005030259.
CS065867
CS065867.1 GI:62818724
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/note="cholesterol"
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Nucleic acid-lipophilic conjugates
Patent: WO 2005030259-A 32 07-APR-2005;
Coley Pharmaceutical Group, Inc. (US); Coley Pharmaceutical GmbH
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Nucleic acid-lipophilic conjugates
Patent: WO 2005030259-A 32 07-APR-2005;
Coley Pharmaceutical Group, Inc. (US); Coley Pharmaceutical GmbH
/notes Description of Artificial Sequence: Synthetic oligonucleotide.
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                                              Query Match
37.0%; Score 7.4; DB 1; Length 10;
Best Local Similarity 88.9%; Pred. No. 48;
Matches 8; Conservative 0; Mismatches 1; Indels
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37.0%; Score 7.4; DB 1; Length 10;
Best Local Similarity 88.9%; Pred. No. 48;
Matches 8; Conservative 0; Mismatches 1; Indels
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C9065828 GI:62818685
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/note="cholesterol"
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1 CTTATGGTC 9
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E 1 (bases 1 to 10)

S Vogelstein, B., Bakkuharutsu, P. and Kinzler, K.W.

SECRETED AND CELL SURFACE GENES EXPRESSED IN BENIGN AND MALIGNANT COLORECTAL TUMORS

AL PALENT: JP 2005518781-A 195 30-JUN-2005;

THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
OS Homo sapiens
PN JP 2005518781-A/195
PD 30-JUN-2005
PP 09-SEP-2002 JP 2003526936
PR 07-SEP-2001 US 60/317494,30-MAY-2002 US 60/383805 PI
Dert vogelstein, philip pakkuharutsu, kenneth w Kinzler CC
FH Key

Location/Qualifiers
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                              DD199534 19-JAN-2006 SECRETED AND CELL SURFACE GENES EXPRESSED IN BENIGN AND MALIGNANT
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                                                                                                                                                                                    Hominidae, Homo.

1 (bases 1 to 10)
Vogelstein, B., Bakkuharutsu, P. and Kinzler, K.W.
SECRETED AND CELL SURFACE GENES EXPRESSED IN BENIGN AND MALIGNANT
COLORECTAL TUMORS
Patent: JP 2005S18781-A 16 30-JUN-2005;
THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
OS Homo sapiens
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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PN JP 2005518781-A/16
PD 30-JUN-2005
PF 09-SEP-2001 JP 2003526936
PR 07-SEP-2001 US 60/317494,30-MAY-2002 US 60/383805 PI
bert vogelstein, philip bakkuharutsu, kenneth w kinzler CC
FH Key Location/Qualifiers.
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JP 2005518781-A/16.
Homo sapiens (human)
Homo sapiens
                                                                 COLORECTAL TUMORS.
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/db_xref="taxon:9606"
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MASAYA OBAYASHI,SHIGEMICHI GUNJI,IZUMI OBAYASHI,YUKIHO IMAI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KAORU OGAWA
C12N15/09,A61K31/00,A61K39/36,A61K45/00,C12Q1/68,C12N15/00 CC
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                 JP 2000106899-A/5.

synthetic construct
synthetic construct
synthetic construct
synthetic construct
other sequences; artificial sequences.

1 (bases 1 to 10)
Nagasu, T., Sugita, Y., Kashiwabara, T., Oshida, T., Obayashi, M.,
Pollinosis-associated gene
Patent: JP 2000106879-A 5 18-APR-2000;
                                            Gaps
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'organism='Artificial Sequence'
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Length 10;
                                         Indels
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1 (bases 1 to 10)

Hashimoto,S., Mateushima,K. and Suzuki,T.
Genes with human dendritic cell expression

SCIENCE & TECH AGENCY
    1;
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    .10
    forganism="synthetic construct"
|mol_type="genomic DNA"
|db_xref="taxon:32630"

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    DΒ
  37.0%; Score 7.4; DB illarity 88.9%; Pred. No. 48; Conservative 0; Mismatches
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E34261
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OS Artificial Sequence
PN JP 2000106879-A/5
PD 18-APR-2000
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Homo sapiens (human)
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Best Local Similarity 88.2.
Best Conservative
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PAT 26-SEP-2002
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Unclassified.
1 (bases 1 to 10)
Shimamoto,A., Furuichi,Y., Shibata,Y., Funaki,H., Ohara,E. and
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Carman,M.D.

Method and composition for inhibition of viral replication

Patent: US 6521601-A 9 18-FEB-2003;

Signal Pharmaceuticals, Inc.; San Diego, CA

Location/Qualifiers
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Method for synthesizing cDNA from mRNA sample
                                                                                                                                                                                                                Unclassified.

1 (bases 1 to 10)
Polyak,K., Vogelstein,B. and Kinzler,K.W.
PS1-Muced apoptosis
Patent: US 6432640-A 6 13-AUG-2002;
The Johns Hopkins University; Baltimore, MD;
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AR303309
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AR282502
AR282502.1 GI:29718976
                                              Sequence 6 from patent US 6432640.
AR222953
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/organism="unknown"

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    /organism="unknown"

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Best Local Similarity 88.3%,
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AR303309
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AR282502/c
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         RESULT 134
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AUTHORS
TITLE
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PN JP 2001078772-A/4
PD 27-MAR-2001
PF 07-SEP-1999 JP 1999253186
PF 07-SEP-1999 JP 1999253186
PF 07-SEP-1999 JP 1999253186
PT MORITO KADOTA, YOSHIYUK FUJIWARA, RYUJI WATANABE, KOICHÍ OZAKI
PC C12N15/09, COTNIH/48, COTNIH/32, C12N1/15, C12N1/19, C12N1/21, PC
C12N5/10, C12Q1/68,
PC G12N5/10, C12Q1/68,
PC A61K39/395, A61K39/395, A61K48/00, A61P35/00, A61P35/04, C12P21/08,
PC C12N15/00,
PC C12N15/00
PC C12N15/00
PC C12N15/00
PC T2N15/00
PC T2N15/
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LUXS gene and method for detecting micrometastasis of cancer
Patent: JP 2001078772-A 4 27-MAR-2001;
OTSUKA PHARMACEUT CO LTD
OS Unidentified
PN JP 2001078772-A/4
PD 27-MAR-2001
OS Homo sapiens (human)
PN JP 2000279181-A/12
PD 10-CCT-2000
PR 01-APR-1999 JP 1999095481
PR SHINICHI HASHIMOTO, KOJI MATSUSHIMA, TAKUJI SUZUKI PC C12N15/09, C07K14/475, C07K16/18, C12N15/00
CC FH Key Location/Qualifiers
FT source /organism='Homo sapiens (human)'.
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                                                                                                                                                                                                              ice 1..10 /organism='Homo sapiens (human) Location/Qualifiers
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Location/Qualifiers

    .10
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/mol_type="genomic DNA"
/db_xref="taxon:32644"

    .10
    /organism="Homo sapiens"
    /mol_type="genomic DNA"
    /db_xref="taxon:9606"

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JP 2001078772-A/4.
unidentified
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Best Local Similarity
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E53843/c
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linear, PAT 03-SEP-2003
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1 (bases 1 to 10)

Dervan, P.B., Wurtz, N. and Chang, A.

Polyamide-alkylator conjugates and related products and method
Patent: US 6559125-A 16 06-MAY-2003;

California Institute of Technology; Pasadena, CA

Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1. (Dases 1 to 10)
Brown, M.S., Goldstein, J.L., Russell, D.W. and Sudhof, T.C.
Sterol Regulatory Elements
Patent: US 5256545-A 14 26-OCT-1993;
Board of Regents, The University of Texas System; Austin
Location/Qualifiers
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    Score 7.4; DB 1; Length 10;
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AR442081
AR442081.1 GI:42669332
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                   Pred. No. 48;
0; Mismatches
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/organism="unknown"
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 37.0%;
    Query Match
Best Local Similarity 88.9 Matches 8; Conservative
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Matches 8; Conservative
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                                                                  11 ACATGGATG 19
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1 ATGGTCATA 9
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Matches 8; Conserv
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AR310652
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AR364134
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AR442081/c
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· AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 10)
Shimamoto, A., Furuichi, Y., Shibata, Y., Funaki, H., Ohara, E. and
Watahiki, M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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Patent: US 6544736-A 209 08-APR-2003;
Nippon Gene Co., Ltd. and Agene Research Institute Co., Ltd.;
Tokyo;
Patent: US 6544736-A 34 08-APR-2003;
Nippon Gene Co., Ltd. and Agene Research Institute Co., Ltd.;
Tokyo;
JPX;
                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Method for synthesizing cDNA from mRNA sample
Patent: US 6544736-A 118 08-APR-2003;
Nippon Gene Co., Ltd. and Agene Research Institute Co., Ltd.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unclassified.
1 (bases 1 to 10)
Shimamoto, A., Furuichi, Y., Shibata, Y., Funaki, H., Ohara, E.
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                                                                                                                                            37.0%; Score 7.4; DB 1; Length 10; larity 88.9%; Pred. No. 48; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                   linear
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Sequence 118 from patent US 6544736.

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    /organism="unknown"
    /mol_type="genomic DNA"

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/mol_type="genomic DNA"
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/organism="unknown"
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Matches 8; Conserv
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PAT 14-SEP-2005
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Unknown.
Unclassified.
Unclassified.
I (bases 1 to 10)
Wang,S.M., Chen,J.-j. and Rowley,J.D.
Wethod for generation of longer cDNA fragments from sage tags for gene identification
gene identification
gene identification
Arch Development Corporation; Chicago, IL
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                            J. (bases I to 10)
Zauderer, M.
Methods for selecting polynucleotides encoding T cell epitopes
Patent: US 6872518-A 22 29-MAR-2005;
University of Rochester; Rochester, NY
Location/Qualifiers
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                       37.0%; Score 7.4; DB 1; Length 10; 88.9%; Pred. No. 48;
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AR696636
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Sequence 20 from patent US 6916610.
AR696640
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Sequence 22 from patent US 6872518.
AR647999
AR647999.1 GI:62787239
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/organism="unknown"
/mol_type="mRNA"
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Query Match
Best Local Similarity 88.5
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Zauderer,M.
Methods for producing polynucleotide libraries in vaccinia virus
Patent: US 6706477-A 22 16-MAR-2004;
University of Rochester; Rochester, NY
Location/Qualifiers
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Unknown.
Unclassified.
Is 1 (bases 1 to 10)

RS Zauderer,N

Methods of selecting polynucleotides encoding antigens

Methods of selecting polynucleotides encoding antigens

Mathodology of Rochester; Rochester, NY

Location/Qualifiers
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Yoshikawa,Y., Mukai,H., Asada,K., Hino,F. and Kato,I.
Cancer-associated generated Solutions
Takater Shuzo Co., Ltd.; Kyoto;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
37.0%; Score 7.4; DB 1; Length 10;
Best Local Similarity 88.9%; Pred. No. 48;
Matches 8; Conservative 0; Mismatches 1; Indels
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37.0%; Score 7.4; DB
Best Local Similarity 88.9%; Pred. No. 48;
Matches 8; Conservative 0; Mismatches
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AR487048
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                                                                                                                                                                                                                                              Location/Qualifiers
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AR487048/C
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REFERENCE AUTHORS TITLE

JOURNAL

FEATURES

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Krieg, A.M., Schetter, C. and Vollmer, J.C.
Immunostimulatory nucleic acids
Patent: WO 0122972-A 1122 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
GmbH (DE)
                                                                                                                                                                                                                                                                                                                                           Gillespie, L.L. and Paterno, G.D. Non-mammalian mesoderm induction early response (nm-mier) gene
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          37.0%; Score 7.4; DB 1; Length 10; 88.9%; Pred. No. 48;
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                                           1; Indels
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GILLESPIE LAURA LEE (CA); PATERNO GARY DAVID (CA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="synthetic construct"
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/note="pcr oligonucleotide"
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                                           0; Mismatches
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20201000 24 from Patent W09919476.
AX021789.1 GI:10045037
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                                                                          1 (bases 1 to 10)
Wang, S.M., Chen, J.-j. and Rowley, J.D.
Grantification of longer cDNA fragments from sage tags for gene identification
Patent: US 6916610-A 20 12-JUL-2005;
Arch Development Corporation; Chicago, IL
Location/Qualifiers
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llarity 88.9%; Pred. No. 48;
Conservative 0; Mismatches 1; Indels
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Hills W.D.
Optical phase modulator
Patent: US 6949340-A 30 27-SEP-2005;
Creative Mines LLC; Bellevue, WA
Location/Qualifiers
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Patent: US 6949340-A 26 27-SEP-2005;
Creative Mines LLC; Bellevue, WA
Location/Qualifiers
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Sequence 26 from patent US 6949340.
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/organism="unknown"
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/mol_type="genomic DNA"
 GI:75199755
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Hillis, W.D.
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AR778232
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AR778228/c
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Pred. No. 48;
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Patent: WO 0138577-A 1448 31-MAY-2001;
The Johns Hopkins University (US)
Location/Qualifiers
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Patent: WO 0138577-A 1511 31-MAY-2001;
The Johns Hopkins University (US)
Location/Qualifiers
                                                               Velculescu, V.E., Vogelstein, B. and Kinzler, K.W.
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Patent: WO 0138577-A 1447 31-MAY-2001;
The Johns Hopkins University (US)
Location/Qualifiers
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                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                           /organism="Homo sapiens"
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/db_xref="taxon:9606"

    .10
    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

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AX153533/c
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AX153596/c
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
Hominidae, Homo.
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Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini,
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88.9%; Pred. No. 48;
tive 0; Mismatches 1; Indels
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Pred. No. 48;
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Patent: WO 0138577-A 668 31-MAY-2001,
The Johns Hopkins University (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Velculescu, V.E., Vogelstein, B. and Kinzler, K.W. Human transcriptomes
Patent: WO 0118577-A 839 31-MAY-2001;
The Johns Hopkins University (US)
Location/Qualiflers
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                  AX152753 10 bp L
Sequence 668 from Patent W00138577.
AX152753
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Sequence 839 from Patent WO0138577.
AX152924

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Best Local Similarity 88.9%;
Matches 8; Conservative
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Best Local Similarity
Matches 8; Conserv
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AX15352/c
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AX152924/c
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
                                                                                                                                                                                                          Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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Patent: WO 0185941-A 298 15-NOV-2001;
Academisch Ziekenhuis bij de Universiteit van Amsterdam (NL)
Location/Qualifiers
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                                                                                                           AX301584 10 bp I Sequence 298 from Patent WO0185941.
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/db_xref="taxon:9606"
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LOCUS AX510724 10 bp
DEFINITION Sequence 12 from Patent W00227027.
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Sequence 62 from Patent WO0212561.
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                                                                                                                                                           AX301584.1 GI:17382667
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                                                                                                                                                                                            Homo sapiens (human)
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Best Local Similarity 88.9
Matches 8; Conservative
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Best Local Similarity 88.9
Matches 8; Conservative
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CTCATGGTC 10
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Method for generation of longer cdna fragments from sage tags for
gene identification
Patent: WO 0148247-A 16 05-JUL-2001;
Arch Development Corporation (US)
Location/Qualifiers
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88.9%; Pred. No. 48;
tive 0; Mismatches 1; Indels
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Synthetic Primer"
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                                                                               Score 7.4; DB 1;
Pred. No. 48;
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other sequences; artificial sequences.
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Patent: WO 0148247-A 20 05-JUL-2001;
Arch Development Corporation (US)
Location/Qualifiers

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Sequence 20 from Patent W00148247.
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AX189802.1 GI:15143173
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Best Local Similarity
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Best Local Similarity
Matches 8; Conserv
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AX189798
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Method of screening for therapeutics for infectious diseases
Patent: WO 0227027-A 12 04-APR-2002;
THE UNIVERSITY OF ROCHESTER (US)
Location/Qualifiers
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37.0%; Score 7.4; DB 1; Length 10;
Best Local Similarity 88.9%; Pred. No. 48;
Matches 8; Conservative 0; Mismatches 1; Indels
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/note="synthetic DNA"
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other sequences, artificial sequences.
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Mathod for producing DNA
Method for producing DNA
Petent: EP 1316605-A 7 04-JUN-2003;
NISSHINBO INDUSTRIES, INC. (JP)
Location/Qualifiers
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Method for producing DNA
Patent: EP 1316605-A 22 04-JUN-2003;
NISSHINBO INDUSTRIES, INC. (JP)
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Sequence 7 from Patent BP1316605.
AX813995
AX813995.1 GI:38636320
  AX510724
AX510724.1 GI:23391961
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Unknown.
Unclassified.
1 (bases I to 10)
Brown,M.S., Goldstein,J.L., Russell,D.W. and Sudhof,T.C.
Sterol Regulatory Elements
Patent: US 526545-A 14 26-0CT-1993;
Board of Regents, The University of Texas System; Austin, TX
Location/Qualifiers
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32.0%; Score 6.4; DB 1; Length 10;
Best Local Similarity 87.5%; Pred. No. 80;
Matches 7; Conservative 0; Mismatches 1; Indels
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37.0%; Score 7.4; DB 1; Length 10;
Best Local Similarity 88.9%; Pred. No. 48;
Matches 8; Conservative 0; Mismatches 1; Indels
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                  1. .10
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/note="synthetic DNA"
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Sequence 14 from patent US 5256545.
AR364134
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/organism="unknown"
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95.0%; Score 19; DB 100.0%; Pred. No. 3.4 tive 0; Mismatches
US-10-949-761-2
                                                                                     ALIGNMENTS
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Best Local Similarity 100.
Matches 19; Conservative
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LENGTH: 20
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943972,
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                                                                                       (without alignments)
27.520 Million cell updates/sec
                                                                            November 22, 2006, 14:08:15 ; Search time 0.001 Seconds
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           GenCore version 5.1.9
Copyright (c) 1993 - 2006 Biocceleration Ltd
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US-11-08-914A-757115
US-11-08-44-440242
US-11-083-784-15285
US-11-083-784-15285
US-11-083-784-15285
US-11-101-244-144519
US-11-101-244-144519
US-11-083-784-15857
US-11-083-784-15857
US-11-083-784-15627
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US-11-083-784-15667
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US-11-083-784-15667
US-11-083-784-15667
US-11-101-244-15667
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US-11-101-244-1224506
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US-10-719-370A-451
US-10-719-370A-443
US-10-719-370A-448
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Maximum Match 100%
Listing first 39 summaries
                                                      OM nucleic - nucleic search, using sw model
                                                                                                                                              1 cctcatggtcacatggatga 20
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Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                   38 seqs, 688 residues
                                                                                                                      US-10-719-370A-446
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Maximum DB seq length: 200000000
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Match Length
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              Sequence 228161,
Sequence 228162,
Sequence 245261,
Sequence 245262,
Sequence 1218947,
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Sequence
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                                                                                                                                                                                                                                                                                      Sequence 446, Application US/10719370A

Sequence 446, Application US/10719370A

Publication No. US20040220393A1

GENERAL INFORMATION:

APPLICANT: Ward, Donna T.

APPLICANT: Marcusson, Eric G.

APPLICANT: Freier, Susan M.

TILLE OF INVENTION: MODULATION OF HIFIA AND HIF2a EXPRESSION FILE REFERENCE: ISPT-1010

CURRENT PILING DATE: 2003-11-21

PRIOR APPLICATION NUMBER: US 10/304,126

PRIOR PILING DATE: 2002-11-23

NUMBER OF SEQ ID NOS: 458

SOFTWARE: PatentIn version 3.2

SEQ ID NO 446

LINGTH: 20
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| Sequence 141, Application US/10719370A
| Publication No. US20040220393A1
| GENERAL INFORMATION:
| APPLICANT: Ward, Doning T.
| APPLICANT: Dobie, Kenneth W.
| APPLICANT: Prair Susan M.
| TITLE OF INVENTION: MODULATION OF HIF1a AND HIF2a EXPRESSION FILE REFERENCE: ISPT-1010
| CURRENT APPLICATION NUMBER: US/10/719,370A
| CURRENT FILING DATE: 2003-11-21
| PRIOR APPLICATION NUMBER: US/10/304,126
| PRIOR FILING DATE: 2002-11-23
| NUMBER OF SEQ ID NOS: 458
| SOFTWARE: PatentIn version 3.2
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Best Local Similarity 100.0%; Pred. No. 2.6;
Matches 20; Conservative 0; Mismatches 0; Indels
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                 US-10-257-017B-228161
US-10-257-017B-228162
US-10-257-017B-245261
US-10-257-017B-245262
US-11-083-784-1218947
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Publication No. US20040220393A1
FURBERLINGORMATION:
APPLICANT: Ward, Donna T.
APPLICANT: Ward, Donna T.
APPLICANT: Ward, Donna T.
APPLICANT: Bracusson, Eric G.
APPLICANT: Freder, Susan M.
FILE REFERENCE: 1SPT-1010
CURRENT APPLICATION NUMBER: US/10/719,370A
CURRENT APPLICATION NUMBER: US/10/719,370A
PRIOR FILING DATE: 2003-11-21
PRIOR FILING DATE: 2002-11-23
NUMBER OF SEQ ID NOS: 458
SEQ ID NO 455
LENGTH: 20
LENGTH: 20
                                                                                                                                                                                                                                APPLICANT: Ward, Donna T.
APPLICANT: Doble, Kenneth W.
APPLICANT: Marcusson, Eric G.
APPLICANT: Freier, Susan M.
TITLE OF INVENTION: MODULATION OF HIFLS AND HIFLS EXPRESSION
FILE REFERENCE: 189T-1010
CURRENT APPLICATION NUMBER: US/10/719,370A
CURRENT FILING DATE: 2003-11-21
PRIOR PPLICATION NUMBER: US 10/304,126
PRIOR FILING DATE: 2002-11-23
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95.0%; Score 19; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.4;
Matches 19; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) OTHER INFORMATION: Synthetic Construct
US-10-719-370A-447
                                                                                                                                                              , Sequence 447, Application US/10719370A Publication No. US20040220393A1
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CCTCATGGTCACATGGATG 19
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SOFTWARE: Patentin version 3.2
SEQ ID NO 447
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
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NS-10-766-185-26
Sequence 26, Application US/10766185
Sequence 26, Application No. US20040152655A1
Sequence 26, Application No. US20040152655A1
Sequence 26, Application No. US20040152655A1
Sequence 26, Application No. User 2007
Sequence 26, Application No. Heejeong
Applicant: Applicant: Dee, Young Bok
Applicant: Jama, Xiaoming
Applicant: Jiang, Xiaoming
TITLE OF INVENTION: Antisense Oligonucleotides that inhibit expression of HIF-1
FILE REFERENCE: REX 7034
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RESULT 5
US-10-719-370A-452
US-10-719-370A-452
Sequence 452, Application US/10719370A
Publication No. US20040220393A1
GENERAL INFORMATION:
APPLICANT: Ward, Donna T.
APPLICANT: Ward, Donna T.
APPLICANT: Marcusson, Eric G.
APPLICANT: Freder, Susan M.
TITLE OF INVENTION: MODULATION OF HIF1A AND HIF2A EXPRESSION
FILE REFERENCE: ISPT-1010
CURRENT APPLICATION NUMBER: US/10/719,370A
CURRENT PILING DATE: 2002-11-23
NUMBER OF SEQ ID NOS: 458
SOFTWARE: PatentIn version 3.2
SEQ ID NO 452
LENGTH. 20
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Best Local Similarity 100.0%; Pred. No. 5.8;
Matches 17; Conservative 0; Mismatches 0; Indels
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CURRENT FILING DATE: 2004-01-28
NUMBER OF SEQ ID NOS: 130
SOFTWARE: PatentIn version 3.1
SEQ ID NO 26
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Synthetic Construct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: misc_feature
LOCATION: (14) \( \tau \) (14)
OTHER INFORMATION: n = pseudouridine
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LOCATION: (11)...(11)
OTHER INFORMATION: n = inosine
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US-10-719-370A-448
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LENGTH: 20
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GENERAL INPORMATION:
APPLICANT: Ward, Donna T.
APPLICANT: Mard, Donna T.
APPLICANT: Marcusson, Eric G.
APPLICANT: Marcusson, Eric G.
APPLICANT: Marcusson, Eric G.
APPLICANT: Freier, Susan M.
TITLE OF INVENTION: MODULATION OF HIFIA AND HIF2A EXPRESSION
FILE REFERENCE: ISPT-1010.
CURRENT APPLICATION NUMBER: US/10/719,370A
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 10/304,126
PRIOR PRILING DATE: 2002-11-23
NUMBER OF SEQ ID NOS: 458
SOFTWARE: PALENTIN VERSION 3.2
SEQ ID NO 443
LENGTH: 20
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                                                                                                                                                                       APPLICANT: Ward, Donna T.

APPLICANT: Ward, Donna T.

APPLICANT: Marcusson, Eric G.

APPLICANT: Marcusson, Eric G.

APPLICANT: Freier, Susan M.

TITLE OF INVENTION: MODULATION OF HIFLA AND HIFZA EXPRESSION

FILE REFERENCE: ISPT-1010.

CURRENT APPLICATION NUMBER: US/10/719,370A

CURRENT FILING DATE: 2003-11-21

PRIOR APPLICATION NUMBER: US 10/304,126

PRIOR PELLING DATE: 2002-11-23

NUMBER OF SEQ ID NOS: 458

SOFTWARE: Patentin version 3.2

LENGTH: 20
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Best Local Similarity 89.5%; Pred. No. 5.8;
Matches 17; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
OTHER INFORMATION: Synthetic Construct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc_feature
LOCATION: (15)...(15)
CTHER INDEMATION: n = pseudouridine
US-10-719-370A-451
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                                                                                                       Sequence 451, Application US/10719370A Publication No. US20040220393A1 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
NAME/KEY: misc_feature
LOCATION: (12)..(12)
OTHER INFORMATION: n = inosine
1 CATGGTCACATGGATGA 17
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 18, Conservative
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Gaps
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APPLICANT: Dobie, Kenneth W.
APPLICANT: Dobie, Kenneth W.
APPLICANT: Marcusson, Eric G.
APPLICANT: Freier, Susan M.
TITLE OF INVENTION: MODULATION OF HIFLA AND HIF2A EXPRESSION
FILE REFERENCE: ISPT-1010
CURRENT APPLICATION NUMBER: US/10/719,370A
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 10/304,126
PRIOR APPLICATION NUMBER: US 10/304,126
NUMBER OF SEQ ID NOS: 458
SOFTWARE: PATENTIN VERSION 3.2
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                                                                                                                                                                                           APPLICANT: Dobie, Kenneth W.
APPLICANT: Marcusson, Eric G.
CURRENT APPLICATION WIMBER: US/10/719,370A
CURRENT FILING DATE: 2003-11-21
PRIOR FILING DATE: 102-11-23
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89.5%; Pred. No. 7.9;
tive 0; Mismatches 2;
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7.5;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Synthetic Construct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 450, Application US/10719370A Publication No. US20040220393A1 GENERAL INFORMATION:
                                                                                                           Sequence 448, Application US/10719370A Publication No. US20040220393A1 GENERAL INFORMATION:
1 ccrcarecrecedecarea 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 458
SOFWARE: Patentin version 3.2
SEQ ID NO 448
LENGTH: 20
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Best Local Similarity 100.0
Matches 16; Conservative
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Best Local Similarity 89.5
Matches 17; Conservative
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APPLICANT: Entainment, inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Acaringe, Stephen
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908
CURRENT APPLICATION NUMBER: US/11/083,784
CURRENT FILING DATE: 2005-03-18
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
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Publication No. US20050245475A1
                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PELING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOPTWARE: Proprietary
SEQ ID NO 440242
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 15285, Application US/11083784 Publication No. US20050245475A1 GENERAL INFORMATION:
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Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-11-101-244-440242
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US-11-083-784-144519
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                                                                                       APPLICANT: Shiler, Kvuzac
TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
TITLE OF INVENTION: uses thereof
FILE REFERENCE: 06087.0200. CPUSOI
CURRENT PILION NUMBER: US/10/310,914A
CURRENT FILING DATE: 2002-12-06
NUMBER OF SEQ ID NOS: 1388402
SOPTWARE: Patentin version 3.3
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APPLICANT: Khorova, Anageasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Acreball, William
APPLICANT: Scarings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/083,784
CURRENT FILING DATE: 2005-03-18
FRIOR PPLICATION NUMBER: 60/502,050
PRIOR PLLING DATE: 2003-09-10
PRIOR PLLING DATE: 2003-09-10
PRIOR PLLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 440242
LENGTH: 19
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75.0%; Pred. No. 10;
tive 3; Mismatches
    Sequence 757115, Application US/10310914A Publication No. US2006003322A1 GENERAL INFORMATION:
APPLICANT: Bentwich, Isaac
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) Publication No. US20050246794AI
, GENERAL INFORMATION:
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Best Local Similarity 93.81
Best Local Similarity
Conservative
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U8-11-083-784-440242
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Best Local Similarity
Matches 12, Conserva
                                                                                                                                                                                                                                                                                                                                                                                   U8-10-310-914A-757115
                                                                                                                                                                                                                                                                                                                                          TYPE: RNA
ORGANISM: Human
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LENGTH: 19
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APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leak, Devin
APPLICANT: Leak, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2000-04-07
PRIOR PILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
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                                                                            APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marbhall, William
APPLICANT: Scaringe, Stephen
IITLE OF INVENTION: Functional and Hyperfunctional siRNA
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69.0%; Score 13.8; Di
Best Local Similarity 88.2%; Pred. No. 12;
Matches 15; Conservative 0; Mismatches
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; Mismatches
                                                                                                                                                                                                                                                   FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 15285
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Sequence 15285, Application US/11101244
Publication No. US20050246794A1
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Best Local Similarity 70.6
Matches 12; Conservative
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US-11-101-244-144519
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US-11-101-244-15285
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US-11-101-244-144519
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LENGTH: 19
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Best Local Similarity 70.6%; Pred. No. 12;
Matches 12; Conservative 3; Mismatches 2; Indels
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; Sequence 1218947, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
    APPLICANT: Dharmacon, Inc.; APPLICANT: Reynolds, Angela
    APPLICANT: Aaraball, William
    APPLICANT: Scaringe, Stephen
    TITLE OF INVENTION: Functional and Hyperfunctional siRNA
    FILE REFERENCE: 13499US
    CURRENT APPLICATION NUMBER: US/11/083,784
    CURRENT APPLICATION NUMBER: US/10/714,333
    PRIOR PELING DATE: 2003-11-14
    PRIOR APPLICATION NUMBER: 60/502,050
    PRIOR APPLICATION NUMBER: 60/502,050
    PRIOR PILING DATE: 2003-11-14
                     APPLICANT: Khorova, Anastasia
APPLICANT: Khorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marahall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/083,784
CURRENT FILING DATE: 2005-03-18
PRIOR APPLICATION NUMBER: US/10/714,333
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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SOFTWARE: Proprietary
SEQ ID NO 1218947
LENGTH: 19
             : Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-144519
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US-11-083-784-1218947
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RESULT 19 US-11-101-244-1218947

RESULT 17

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APPLICANT: Diarmacon, Inc.
APPLICANT: Edake, Devin
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reste, Devin
APPLICANT: Garinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908
CURRENT APPLICATION NUMBER: US/11/083,784
CURRENT FILING DATE: 2005-03-18
FRIOR APPLICATION NUMBER: 06/502,050
FRIOR FILING DATE: 2003-11-14
FRIOR FILING DATE: 2003-11-14
FRIOR FILING DATE: 2003-11-14
SHIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 155645
LENGTH: 19
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                                           Sequence 155645, Application US/11083784
Publication No. US20050245475A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
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Best Local Similarity 66.7%;
Matches 10; Conservative 4
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SOFTWARE: Proprietary
SEQ ID NO 943972
LENGTH: 19
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Best Local Similarity 93.3
Matches 14; Conservative
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CORGANISM: Homo sapiens
US-11-083-784-943972
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US-11-083-784-155645
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Pred. No. 13;
0; Mismatches 1; Indels
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| Bequence 155627, Application US/11083784
| Publication No. US20205245475A1
| APPLICANT: Dharmacon, Inc.
| APPLICANT: Caring.
| APPLICANT: Caring.
| APPLICANT: Reynolds, Angela
| APPLICANT: Reynolds, Angela
| APPLICANT: Reynolds, Angela
| APPLICANT: Reynolds, Angela
| APPLICANT: Marshall, William
| APPLICANT: Scarings, Stephen
| TITLE OF INVENTION: Functional and Hyperfunctional siRNA FILE REFERENCE: 1349908
| TURRENT FILING DATE: 2005-03-18
| PRIOR APPLICATION NUMBER: US/10/714,333 |
| PRIOR APPLICATION NUMBER: 60/502,050 |
| PRIOR PLING DATE: 2003-09-10 |
| PRIOR PLING DATE: 2003-11-14 |
| PRIOR FILING DATE: 2003-11-14 |
| PRIOR FILING DATE: 2002-11-14 |
| PRIOR FILING DATE: 2007-11-14 |
| PRIOR FI
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Sequence 1218947, Application US/11101244

Publication No. US200502467941

GENERAL INPORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Searinge, Bovin
APPLICANT: Scaringe, Stephen
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Ascaringe, Stephen
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-01-0
PRIOR PLING DATE: 2003-01-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1218947
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Matches 14; Conserved 1
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Matches 11, Conservative
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ORGANISM: Homo sapiens
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U8-11-083-784-155627
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US-11-083-784-155627/c
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67.0%; Score 13.4; DB 1; Length 19; 93.3%; Pred. No. 13;
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i Sequence 943972, Application US/11083784

i Publication No. US20050245475A1

i GENERAL INFORMATION:

i APPLICANT: Dharmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Leake, Devin

APPLICANT: Scaringe, Stephen

ITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT FILING DATE: 2005-11-14

PRIOR PILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-09-10

PRIOR FILING DATE: 2003-09-10

PRIOR FILING DATE: 2003-09-10

PRIOR FILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-11-14
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Pred. No. 13;
4; Mismatches 1; Indels
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APPLICANT: RAYOLOGA, Angela
APPLICANT: RAYOLOGA, Angela
APPLICANT: RAYOLOGA, Angela
APPLICANT: Responded, Angela
APPLICANT: Leake, Devin
APPLICANT: Caringe, Stephen
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 155627
LENGTH: 19
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Best Local Similarity 93.3%; Pred. No. 13;
Matches 14; Conservative 0; Mismatches
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                                                                                                                                                                                             Sequence 155627, Application US/11101244 Publication No. US20050246794A1 GENERAL INFORMATION:
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2 UGGUUACAUGGAUGA 16
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CORGANISM: Homo sapiens
US-11-101-244-155645
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; ORGANISM: Homo sapiens
US-11-101-244-155627
                                                                                                                              RESULT 25
US-11-101-244-155627/c
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US-11-101-244-155645/c
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APPLICANT: Characton, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANTON: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2005-03-18
PRIOR PELING DATE: 2003-10-14
PRIOR PELING DATE: 2003-10-14
PRIOR PELING DATE: 2003-10-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                           APPLICANT: Unarmacon, Inc.
APPLICANT: Edake, Devin
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/083,784
CURRENT APPLICATION NUMBER: US/10/714,333
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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Pred. No. 13
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                                                                                            Sequence 1009396, Application US/11083784
Publication No. US20050245475A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
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; ORGANISM: Homo sapiens
US-11-083-784-1224506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-1009396
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Best Local Similarity
Matches 14; Conserva
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: JI, Yonggang
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
TILLE OF INVENTION: MISSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERRICE. AEGMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
FILE OF ILING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PELLING DATE: 2000-06-67
PRIOR APPLICATION NUMBER: US 60/206,359
PRIOR PELLING DATE: 2000-09-27
PRIOR PELLING DATE: 2001-01-30
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Pred. No. 13;
4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                    APPLICANT: Khvorova, Anaetasia
APPLICANT: Reynolda, Angela
APPLICANT: Reynolda, Angela
APPLICANT: Resynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1224506
LENGTH: 19
                                                                                                                                                                  ; Sequence 1224506, Application US/11101244; Publication No. US20050246794A1; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7612, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 66.7%;
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6 TGGTCACATGGATGA 20
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       15 CCTCAAGGTCACATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , ORGANISM: Homo sapiens
US-11-101-244-1224506
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| Publication No. US20050246794A1
| GENERAL INPORMATION:
| APPLICANT: Dharmacon, Inc.
| APPLICANT: Reynolds, Angela
| APPLICANT: Marshall, William
| APPLICANT: PROPICANTION NUMBER: 60/502,050
| PRIOR APPLICATION NUMBER: 60/426,137
| PRIOR PILING DATE: 2003-09-10
                                                                                                                                                                                                                                                                                                        APPLICANT: Characon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Raynolds, Angela
APPLICANT: Responded, Angela
APPLICANT: Responded, Angela
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 943972
LENGTH: 19
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Pred. No. 13;
4; Mismatches
                                                                                                                                                                                                   Sequence 943972, Application US/11101244 Publication No. US20050246794A1 GENERAL INFORMATION:
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Best Local Similarity 66.7'
Matches 10; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
) ORGANISM: Homo sapiens
US-11-101-244-943972
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US-11-101-244-1009396
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US-11-101-244-1009396/c
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NSOF-916-466-30

Sequence 30, Application US/09916466

Sequence 30, Spilication US/09916466

Sequence 30, Seq
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                                               DB 1; Length 17;
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Sequence 30, Application US/10277494

; Publication No. US20030186909A1

; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Ribozyme Dammaceuticals, Inc.

; TILLE OF INVENTION: Uncleic Acid Treatment of Diseases or

; TILLE OF INVENTION: Epidermal Growth Factor Receptors

; FILE REFERENCE: MRHB00-958-K (400/064)

; CURRENT APPLICATION NUMBER: US/10/277,494

; CURRENT FILING DATE: 2002-10-21

; NUMBER OF SEQ ID NOS: 446

; SOFTWARE: Patentin version 3.0
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                                          Score 12.2; I
Pred. No. 15;
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                                          Query Match
Best Local Similarity 82.4%;
Matches 14; Conservative
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1 UCAUGGUCAAAUG 13
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Best Local Similarity 61.5
Matches 8; Conservative
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Best Local Similarity 61.5
Matches 8; Conservative
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US-09-916-466-30
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ORGANISM: Homo sapiens
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APPLICANT: How Sharron G
APPLICANT: PENN, Sharron G
APPLICANT: PENN, Sharron G
APPLICANT: PENN, Sharron G
APPLICANT: PENN, Sharron G
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: CHAN, Wensheng
APPLICANT: CHANNON, MARK
ITLES OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REPERBNCE: PROIOS
CURRENT FILING DATE: 2001-05-25
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR APPLICANTON NUMBER: US 60/207,456
FRIOR PILING DATE: 2000-05-26
FRIOR PILING DATE: 2000-05-26
FRIOR PILING DATE: 2001-01-04
FRIOR PILING DATE: 2001-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/US01/0066
FRIOR APPLICANTON NUMBER: PCT/US01/0066
FRIOR APPLICANTON NUMBER: PCT/US01/0066
FRIOR APPLICANTON NUMBER: PCT/US01/0066
FRIOR PILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-0
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Pred. No. 15;
0; Mismatches
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-09-21
PRIOR PILING DATE: 2000-09-21
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 7512
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SEQ ID NO 7612
LENGTH: 17
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Publication No. US20040137589A1
GENERAL INFORMATION:
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82.4%;
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Best Local Similarity 82.4
Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-7612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7612
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RESULT 37
US-10-257-017B-245261
is Sequence 245261, Application US/10257017B
is Sequence 245261, Application US/10257017B
is Publication No. US20040241651A1
is GENERAL INFORMATION:
APPLICANT: Alexander Olek
is APPLICANT: Christian Piepenbrock
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: methylations
FILE REFERENCE: B01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR PILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
is REALLY OF SEQ ID NOS: 382046
is TENDOR PLING DATE: 2000-04-07
is NUMBER OF SEQ ID NOS: 382046
is TENDOR PLING DATE: 2000-04-07
is NUMBER OF SEQ ID NOS: 382046
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APPLICANT: Alexander Clek
APPLICANT: Christian Piepenbrock
APPLICANT: Christian Piepenbrock
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorhphisms (SNPs) and cytosine
TITLE OF INVENTION: methylations
TITLE OF INVENTION: methylations
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT PILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
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                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055641 US-10-257-017B-228162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059887
US-10-257-017B-245261
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FILE REFERENCE: B01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 228162
LENGTH: 13
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                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8 GTCACATGGATGA 20
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Best Local Similarity 84.6
Matches 11, Conservative
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Sequence 228161, Application US/10257017B
PUBLICANT: 0.0320040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorhphisms [SNPs] and cytosine
TITLE OF INVENTION: Detection of single nucleotide polymorhphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
TITLE OF INVENTION NUMBER: US/10/257,017B
CURRENT PPLICATION NUMBER: US/10/257,017B
CURRENT PLILING DATE: 2002-10-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 228161
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APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
APPLICANT: Kurt Berlin
APPLICANT: Kurt Berlin
APPLICANT: Kurt Berlin
APPLICANT: Machylation of single nucleotide polymorhphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
              APPLICANT: MGP Biotech, Inc.
APPLICANT: MGP Biotech, Inc.
APPLICANT: Mang, Zhuying
TITLE OF INVENTION: Apparatus and Method for Detecting Genetic Mutations and Single
TITLE OF INVENTION: Molectide Polymorphisms
FILE REFERENCE: AL-2004-11
CURRENT APPLICATION NUMBER: 108/10/949,761
CURRENT APPLICATION NUMBER: 60/50915
PRIOR APPLICATION NUMBER: 60/50915
PRIOR FILING DATE: 2003-10-06
PRIOR FILING DATE: 2003-10-25
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin version 3.3
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US-10-257-017B-228161
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49.0%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 18;
Matches 11; Conservative 0; Mismatches 2; Indels
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ORGANISM: Artificial Sequence
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Matches 10; Conservative
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     GENERAL INFORMATION:
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US-10-257-017B-228161
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1 ORGANISM: human
US-10-949-761-2
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LENGTH: 11
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Sequence 1218947/A
Sequence 1218947/A
Publication No. US20050245475A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2005-03-18
PRIOR PLICATION NUMBER: US/10/714,333
PRIOR PLICATION NUMBER: 60/502,050
PRIOR PELING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
SPRIOR FILING DATE: 2003-09-10
SPRIOR FILING DATE: 2003-11-14
SOFTWARE: Proprietary
SEQ ID NO 1218947
TURDE DATE: PROPRIETARY
TWOR: PANA
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37.0%; Score 7.4; DB 1; Length 19;
Best Local Similarity 64.7%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                            Query Match 49.0%; Score 9.8; DB 1; Length 13; Best Local Similarity 84.6%; Pred. No. 18; Matches 11; Conservative 0; Mismatches 2; Indels
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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13 TGGTAACGTGGAT 1
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CORGANISM: Homo sapiens
US-11-083-784-1218947
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US-11-083-784-1218947/c
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Search completed: November 22, 2006, 14:08:16 Job time : 1 secs

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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| Publication No. US20060252720A1
| GENERAL INFORMATION:
| APPLICANT: End G. Marcusson
| APPLICANT: Scott Henry
| APPLICANT: Youngeon Kim
| APPLICANT: Youngeon Kim
| APPLICANT: Kenneth W. Dobie
| TITLE OF INVENTION: MODULATION OF HIF1-BETA EXPRESSION
| FILE REFERENCE: ISIS-576/JBIOLO046U3
| CURRENT APPLICATION NUMBER: US/11/213,593
| CURRENT FILING DATE: 2005-08-25
| PRIOR FILING DATE: 2004-08-25
| PRIOR APPLICATION NUMBER: US 60/604,190
| PRIOR APPLICATION NUMBER: US 60/649,586
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US-10-540-460-106
US-10-540-460-108
US-11-148-303-357
US-11-148-303-258
US-11-364-118-520
US-11-364-118-535
US-11-364-118-535
US-11-158-209-153
US-11-158-209-708
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Gapop 10.0 , Gapext 0.5
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Match Length DB
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Sequence 106, Application US/10540460
; Sequence 106, Application US/10540460
; Publication No. US20060121487A1
; GENERAL INFORMATION:
; APPLICANT: University of Medicine and Dentistry of New Jersey
; APPLICANT: Alland, David
; APPLICANT: Hazbon, Manzour H.
; TITLE OF INVENTION: Method for Single Nucleotide Polymorphism Detection
; TITLE OF INVENTION NUMBER: US/10/540,460
; CURRENT FILING DATE: 2005-06-22
; PRIOR APPLICATION NUMBER: US 60/437,165
; PRIOR APPLICATION NUMBER: US 60/437,165
; RECOR FILING DATE: 2002-112-27
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 106
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Sequence 108, Application WS/10540460

Publication No. US200660121487A1

GENERAL INFORMATION:

APPLICANT: University of Medicine and Dentistry of New Jersey

APPLICANT: Haland, David

APPLICANT: Habon, Method for Single Nucleotide Polymorphism Detection

TITLE OF INVENTION: Method for Single Nucleotide Polymorphism Detection

FILE REFERENCE: UMD-0019

CURRENT FILING DATE: 2005-06-22

CURRENT FILING DATE: 2002-12-27

NUMBER OF SEQ ID NOS: 124

SOFTWARE: PatentIn version 3.1

SEQ ID NO 108

LENGTH: 14
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ORGANISM: Artificial sequence
FEATURE:
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                                                                                                                        ORGANISM: Artificial Sequence FEATURE:
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PRIOR FILING DATE: 2005-02-02
NUMBER OF SEQ ID NOS: 190
SEQ ID NO 186
LENGTH: 20
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US-10-540-460-108/c
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US-10-540-460-106/c
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                                                                                                   TYPE: DNA
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                                                                                                                                                                                                                                                           Sequence 357, Application US/11148303
Publication No. US20060154886A1
GENERAL INFORMATION:
APPLICANT: GUNDENCHARIS GmbH
TITLE OF INVENTION: Regulatory elements in the 5' region of the VR1 gene FILE REFERENCE: GR01P003WO
CURRENT PAPLICANTON NUMBER: US/11/148,303
CURRENT FILING DATE: 2005-06-09
NUMBER OF SEQ ID NOS: 781
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 357
LENGTH: 11
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Publication No. US20060154886A1
GENERAL INFORMATION:
APPLICANT: Gruenenthal GmbH
TITLE OF INVENTION: Regulatory elements in the 5' region of the VR1 gene FILE REFERENCE: GR01P003WO
CURRENT FILING DATE: 2005-06-09
NUMBER OF SEQ ID NOS: 781
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 258
LENGTH: 12
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                                                        Score 10.4; DB 1; Length 14; Pred. No. 2.3; 0; Mismatches 1; Indels
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US-11-364-118-520
1,80quence 520, Application US/11364118
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US-11-148-303-357
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Best Local Similarity 90.0%;
Matches 9; Conservative
                                                        Query Match
Best Local Similarity 91.7%;
Matches 11, Conservative
// OTHER INFORMATION: Synthetic
US-10-540-460-108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Rattus norvegicus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Rattus norvegicus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) OTHER INFORMATION: V$IK2 01
US-11-148-303-258
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Sequence 443, Application US/11148303
; Sequence 443, Application US/11148303
; Publication No. US20060154886A1
; GENERAL INFORMATION:
; APPLICANT: Gruenenthal GmbH
; TITLE OF INVENTION: Regulatory elements in the 5' region of the VR1 gene
; FILE REPERENCE: GR01P003W0
; CURRENT APPLICATION NUMBER: US/11/148,303
; CURRENT APPLICATION NUMBER: 205-06-09
; NUMBER OF SEQ ID NOS: 781
; SOPTWARE: Patentin Ver. 2.1
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GENERAL INFORMATION:
APPLICANT: Olaf Holtkotter
APPLICANT: Diaf Holtkotter
APPLICANT: Diaf Holtkotter
APPLICANT: Diaf Holtkotter
APPLICANT: Melanie Giesen
APPLICANT: Melanie Giesen
APPLICANT: Melanie Giesen
APPLICANT: Melanie Giesen
TITLE OF INVENTION: Method for Determining Hair Cycle Markers
FILE REFERENCE: H 06059 PCT
CURRENT APPLICATION NUMBER: US/11/364,118
CURRENT FILING DATE: 2006-02-28
PRIOR APPLICATION NUMBER: PCT/EP2004/009435
PRIOR PLILNG DATE: 2004-08-24
PRIOR PLILNG DATE: 1034-0336
PRIOR PLILNG DATE: 2003-08-30
NUMBER OF SEQ ID NOS: 570
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APPLICANT: Kordula Schlotmann
APPLICANT: Melanie Giesen
APPLICANT: Daniela Kessler-Becker
TITLE OF INVENTION: Method for Determining Hair Cycle Markers
FILE REFERENCE: H 06059 PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
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100.0%; Pred. No. 6.4
:ive 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 6.4
Matches 8; Conservative 0; Mismatches
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; Sequence 535, Application US/11364118
; Publication No. US20060204992A1
; GENERAL INPORMATION:
APPLICANT: Olaf Holtkotter
                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: SegWin99, version 1.02
SEQ ID NO 520
LENGTH: 11
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US-11-148-303-443
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Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Homo sapiens
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2 ATGGATGA 9
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CURRENT FILING DATE: 2005-08-25
PRIOR APPLICATION NUMBER: US 60/604,190
PRIOR FILING DATE: 2004-08-25
2005-06-20
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81.8%;
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81.8%;
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Best Local Similarity 81...
Best Sons 9; Conservative
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Best Local Similarity 81.8
Matches 9; Conservative
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ORGANISM: Homo Sapiens
US-11-158-209-251
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CORGANISM: Homo Sapiens
US-11-158-209-708
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US-11-158-209-708/c
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APPLICANT: Dirk Petersohn
APPLICANT: Kordula Schlotmann
APPLICANT: Kordula Schlotmann
APPLICANT: Marcus Conradt
APPLICANT: Olaf Holtkotter
APPLICANT: Marcus Conradt
CURRENT APPLICATION NUMBER: DC7/EP2003/014070
PRIOR APPLICATION NUMBER: PC7/EP2003/014070
PRIOR APPLICATION NUMBER: DC2 60 931.4-41
PRIOR PILING DATE: 2002-12-20
NUMBER OF SCO ID NOS: 1335
SOFTWARE: SeqWin99, version 1.02
: SEQ ID NO 153
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APPLICANT: Kordula Schlotmann
APPLICANT: Thomas Gassenmeier
APPLICANT: Olaf Holtkotter
APPLICANT: Marcus Conradt
APPLICANT: Kay Hofmann
TITLE OF INVENTION: Method for Determining the Homeostasis of Hairy Skin
                                                                                                                                                                                                                                                                                                                                       Gaps
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Pred. No. 6.8;
0; Mismatches 2; Indels
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                 CURRENT FILING DATE: 2006-02-28
PRIOR APPLICATION WUMBER: PCT/EF2004/009435
PRIOR PILING DATE: 2004-08-24
PRIOR APPLICATION NUMBER: 103 40 373.6-41
PRIOR PILING DATE: 2003-08-30
SOFTWARE: Sequing9, version 1.02
SEQ ID NO 535
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CURRENT APPLICATION NUMBER: US/11/158,209
  CURRENT APPLICATION NUMBER: US/11/364,118
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Publication No. US20060088852A1
GENERAL INFORMATION:
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Publication No. US20060088852A1
GENERAL INFORMATION:
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81.8%;
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Best Local Similarity 81.8
The State of Conservative
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Matches 9; Conservative
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                                                                                                                                                                                                           TYPE: DNA ORGANISM: Homo sapiens
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ORGANISM: Homo Sapiens
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Sequence 708, Application US/11158209

Sequence 708, Application US/11158209

Publication No. US20060088852A1

GENERAL INFORMATION:

APPLICANT: Ditk Petersohn

APPLICANT: Thomas Gassenmeier

APPLICANT: Thomas Gassenmeier

APPLICANT: Marcus Conradt

APPLICANT: Kay Hofmann

APPLICANT: Kay Hofmann

APPLICANT: Ray Hofmann

TITLE OF INVENTION: Method for Determining the Homeostasis of Hairy Skin

FILE REFERENCE: H 05667 PCT

CURRENT APPLICATION NUMBER: US/11/158,209

CURRENT APPLICATION NUMBER: 12005-06-20

PRIOR FILING DATE: 2003-12-11

PRIOR FILING DATE: 2003-12-12

NUMBER OF SEQ ID NOS: 1335

SOFTWARE: SeqWin99, version 1.02

SOFTWARE: SeqWin99, version 1.02
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Pred. No. 6.8;
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Pred. No. 6.8;
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; Publication No. US20060252720A1
; GENERAL INFORMATION:
; APPLICANT: Eric G. Marcusson
; APPLICANT: Youngsoo Kim
; APPLICANT: Youngsoo Kim
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF HIF1-BETA EXPRESSION
; FILE REFERENCE: ISIS-5767/BIOL0046US
; CURRENT APPLICATION NUMBER: US/11/213,593
; CURRENT APPLICATION NUMBER: 2005-08-25
                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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PRIOR APPLICATION NUMBER: PCT/EP2003/014070 PRIOR FILING DATE: 2003-12-11 PRIOR FILING DATE: 2003-12-11 PRIOR PRIOR FILING DATE: 2002-12-20 NUMBER OF SEQ ID NOS: 1335 SOFTWARE: SeqWin99, version 1.02 LENGTH: 11
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PRIOR APPLICATION NUMBER: US 60/649,586

PRIOR FILING DATE: 2005-02-02

NUMBER OF SEQ ID NOS: 190

SEQ ID NO 186

LENGTH: 20

TYPE: DNA

ORGANISM: Artificial Sequence
FRATURE:

ORGANISM: Artificial Sequence
FRATURE:

ORGANISM: Artificial Sequence

FRATURE:

ORGANISM: Artificial Sequence

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ORGANISM: Artificial Sequence

SEATURE:

ORGANISM: Artificial Sequence

ORGANISM: Artificial Sequence

SEATURE:

ORGANISM: Artificial Sequence

ORGANISM: Artificial Seq
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Search completed: November 22, 2006, 14:11:10 Job time : 0.001 secs

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CL423977/c
LOCUS
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KEYWORDS
SOURCE
ORGANISM
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AUTHORS
TITLE
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CL423977.1 G1:45917586
GSS
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Oryza sativa (japonica cultivar-group)
Oryza sativa (japonica cultivar-group)
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Epermatophyta; Magnoliophyta; Lilioppida; Poales; Poaceae; BEP
clade; Ehrhartoideae; Oryzeae; Oryza.
I (bases I to 10)
Eamens, A. L., Blanchard, C. L., Dennis, E. S. and Upadhyaya, N. M.
A bidirectional gene trap construct suitable for T-DNA and
De-mediaced insertional mutagenesis in rice (Oryza sativa L.)
Plant Biotechnol. J. 2 (5), 367-380 (2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rice Functional Genomics Group(http://www.pi.csiro.au/fgrttpub/), Genomics and Plant Development Program CSIRO Plant Industry Cri. Barry Drive and Clunies Ross Street, GPO Box 1600; phone 61-2-6246 5491, Canberra, ACT 2601, Australia Tel: 61 2 6246 5491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACCESSION: CL423977
ACCESSION: CL423977
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                                                                                                                                                         (without alignments)
0.400 Million cell updates/sec
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                      GenCore version 5.1.9
(c) 1993 - 2006 Biocceleration Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
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Maximum Match 100%
Listing first 5000 summaries
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                                                                                                                                     November 22, 2006, 14:12:47
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Maximum DB seq length: 2000000000
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Match Length DB
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DEFINITION
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VERSION
KEYWORDS
SOURCE
ORGANISM
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AUTHORS
TITLE
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COMMENT
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CL423977
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Oryza sativa (japonica cultivar-group)

Gryza sativa (japonica cultivar-group)

Bukaryotta; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Bukaryotta; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; BEP clade; Ehrhartoideae; Oryzeae; Oryza.

The Clade; Ehrhartoideae; Oryzeae; Oryza.

Bamens, A.L., Blanchard, C.L., Dennis, E.S. and Upadhyaya, N.M.

A bidirectional gene trap construct suitable for T-DNA and Ds-mediated insertional mutagenesis in rice (Oryza sativa L.)

Plant Biotechnol. J. 2 (5), 367-380 (2004)

Contact: Upadhyaya N.M.

Rice Functional Genomics Group(http://www.pi.csiro.au/fgrttpub/), Genomics and Plant Development Program

CSIRO Plant Industry

Cnr. Barry Drive and Clunies Ross Street, GPO Box 1600; phone 61-2-6246 5491, Canberra, ACT 2601, Australia

Tel: 61 2 6246 5491, Canberra, ACT 2601, Australia

Fax: 61 2 6246 5000
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| Organism="Oryza sativa (japonica cultivar-group)"
| Organism="Oryza sativa (japonica cultivar-group)"
| Oultivar="Nipponbare (Japonica)"
| db xref="taxon:39947"
| db xref="taxon:39947"
| clone="Ntw1065"
| clone="Ntw1065"
| clone="Vector: Bidirectional gene trapping vector pEU334AN
| AN488510) or pEU334BN (AY488511); First 24 nucleotides
are from the respective T-DNA borders (LB or RB)."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ALEZSB TT63-36-1 CSIROPIFGRTT BDTDNADS B1 Oryza sativa (japonica cultivar-group) genomic clone RM1065 similar to maps to China Rice CB contig8783, genomic survey sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: narayana.upadhyaya@csiro.au
Flanking sequences were rescued by built-in plasmid rescue system
comprising of an ampicillin resistance gene and a bacterial
original of replication; First 24 nucleotides are from the
respective T-DNA borders (LB or RB) followed by 53 nt filler
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
Email: narayana upadhyaya@csiro.au
Flanking sequences were rescued by built-in plasmid rescue sy
comprising of an ampicillin resistance gene and a bacterial
original of replication; First 24 nucleotides are from the
respective T-DNA borders (LB or RB) followed by 53 nt filler
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   organism="Oryza sativa (japonica cultivar-group)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    37.0%; Score 7.4; DB 1; Length 10; 88.9%; Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone_lib="CSIROPIFGRTT_BDTDNADS_B1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /mol_type="genomic DNA"
/cultivar="Nipponbare (Japonica)"
/db_xref="taxon:39947"
/clone="RM1065"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Seq primer: RB specific primer
Class: TDNA tagged.
                                                                                                                                                                                                           Sed primer: RB specific primer
Class: TDNA tagged.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACAGGGATG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
Matches 8; Conserv
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/note="Vector: Bidirectional gene trapping vector pEU334AN (AY488510) or pEU334BN (AY488511); First 24 nucleotides are from the respective T-DNA borders (LB or RB)."
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ö 0; Сарв Query Match 16.0%; Score 3.2; DB 1; Length 10; Best Local Similarity 62.5%; Pred. No. 0; Matches 5; Conservative 0; Mismatches 3; Indels

12 CATGGATG 19 ||| || 10 CATCCTG 3

Search completed: November 22, 2006, 14:12:47 Job time: 0.001 secs